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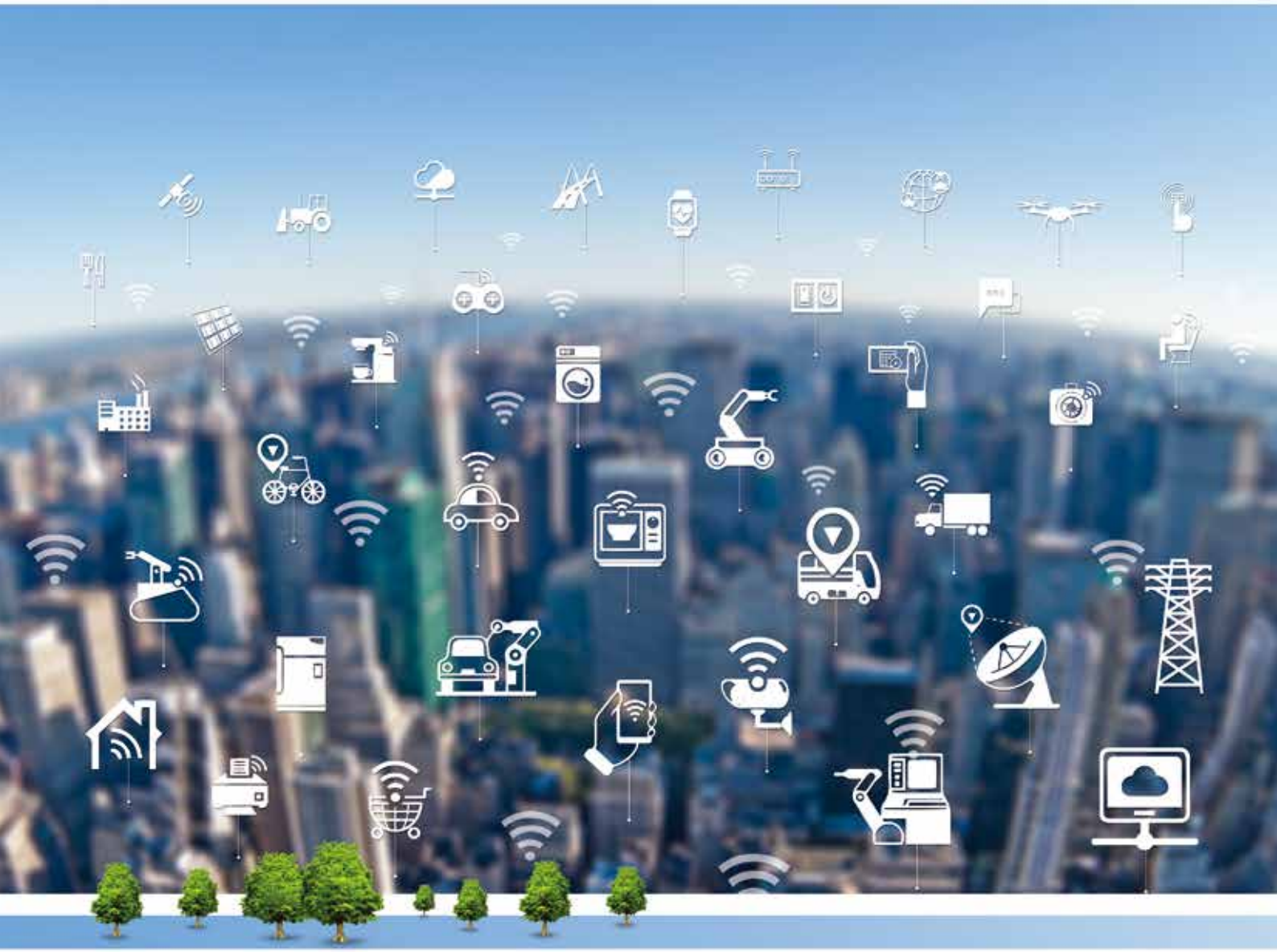
SMD Inductive Components



ABC-ATEC Electronics Group

ABC Taiwan Electronics Corp.

COMPANY HISTORY

ABC TAIWAN ELECTRONICS CORP. is one of the leading manufacturers for quality inductors and transformers. We specialize in design and manufacturing electromagnetic components for various industries — Telecommunication, Industry Controls, Automotive products, and, Consumer etc.

In 1979, forty-three years ago, ABC was established in YANGMEI district. People here are diligent and hardworking. We gathered a competent and dedicated team applying the latest technology to cater design-in parts, deliver high level of services, and provide good quality products for our customers.

Our innovative product development allows us to offer fast service, excellent quality parts and competitive price to match our customers' needs. ABC's ultimate goal is to achieve total customer satisfaction through continuous improvement and development.

ARBUTUS (**YANGMEI**, in Chinese) a beautiful, luxuriant and whole year green tree, two hundreds years ago, immigrants arrived here, they found all the field in this valley were **ARBUTUS** (**YANGMEI**), so, they called this town—**YANGMEI**.

1979
- **ABC TAIWAN ELECTRONICS CORP.** was founded in Hsiotsai Rd., Yangmei, Taiwan capital
- NT$ 5,800,000(US$145,000) and 5 employees Started producing choke coil in Sep.

1980
- Moved to Kuanghwa St., Yangmei, and 15 employees.
- Land acquisition of No.422, Sec.1 Yangfu Rd..

1981
- Started factory building construction.
- Acquired the second prize of good supplier from CANON.

1982
- Factory building completed and Axial Lead Choke Coils conformal coating auto processing line initialed.
- Capital increase to NT$6,115,000(US$ 152,875) and forty-seven employee.

1984
- EMI Filter and DC-DC Converter entered U.S.A., Singapore & UK Market.
- Started the R/D for EMI Filters and DC-DC CONVERTERS entered U.S.A., Singapore & UK Market.

1990
- New design CM series Wound Chip Inductor R&D completed and started production.

COMPANY HISTORY

1991
- CM chip inductor series was awarded 4 years tax exemption from Taiwan government.
- CM chip inductor series patent certificated in Germany #G9108527.6 and Taiwan #66599.

1995
- China Factory - ABC ELECTRONICS (PANYU) CORP. Started production (March 29, 1995).

2000
- ABC Electronics (Panyu) CORP. 2nd factory grand opened.
- Started Taiwan HQ building expansion.
- Starting Stock Initial Public Offer (IPO) processed.
- Overall Employee beneficial share system started.
- Acquired the Good Supplier Award from Garmin.

2001
- Acquired the 10th National Award of Small and Medium Enterprises.

2004
- MPC for High Frequency Capacitor patent certificated in Taiwan #188853 & #210097.
- Ceramic Heat Sink with Micro-pores Structure patent in Taiwan #189036, #213446 & #220351.
- Ceramic Heat Sink with Micro-pores Structure patent in Germany #20314728.6, Japan #3100267 & USA #US6705393B1.
- ABC Electronics (Shanghai) Factory. started production.
- Became a public trade company, Stock Listed in Taiwan Gretai (OTC) Securities Market.

2006
- Automotive Quality System TS 16949 Certificated.

2007
- Hazardous Substance Process Management IECQ QC 080000 Certificated.

2008
- Micromesh (Micro-pores) Material Producing Method Patent certificated in China #ZL 02 1 49137.2 (Aug. 6, 2008).
- Set up Precision Metal Parts Div., Factory located in Pingjhen Industrial Park. (Jan. 1, 2008).
- Opto-elec & Mechanic Components Div. launched 5 new models LED Shaped Lamps, and Stared OEM/ODM business. (Apr.).
- MES(Manufacturing Executive System) introduced into Shanghai factory (Nov.).

2009
- Started high current inductor, HP series production.
- Battery Cap improvement awarded 2 patents in Taiwan.

COMPANY HISTORY

2010
- MPC Heatsink was designed in the Samsung 2.8 cm Super Slim LED TV, launched in Q1.

2012
- Officially took over AOBA Technology as a subsidiary (2012.04.01).

2013
- Customer Approval for contract manufacturer with integrated mass production and quality control.

2014
- MCU product entered automotive market.
- For Ethernet application, Common Mode Choke patent acquired in Taiwan and China, and started production.

2015
- ASF products massed production.
- DP product line set up and promoted to market.
- Common Mode Filter and Core patents acquired in Germany.

2016
- ABC Shanghai and Malaysia factory - AOBA Technology, TS 16949 Certificated.

2017
- ABC Taiwan IATF 16949 Certificated.

2018
- Yangmei II Factory Started Production (2018.04.01).
- IECQ QC 080000 : 2017 Certificated.

2019
- ISO 14001 Environmental Management System Re-certificated
- Yangmei II Factory started Ethernet EMI Common Mode Filters and Monolithic Power Inductors Lines Set up & Trial Run (2019.12.05).

2020
- Common mode line filter AQF series launched for EMI noise suppression and automotive standard qualification.
- E-field Shielded High Current Power Inductor HS series lanuched.

2021
- Joined the Mobility In Harmony (MIH) platform alliance and became Open EV Alliance member (2021.03.30).

INDEX SMD Inductive Component

Figure	Feature	Type	Dimension (LxWxH mm)	Inductance / Impedance	Rated Current	Page
RF Ceramic Wire Wound Chip Inductor						
SWI 	Standard	SWI0201 CT	0.5 x 0.4 x 0.4	0.5 ~ 14 nH	1.2 A ~ 270 mA	1
		SWI0402 CT	1.0 x 0.6 x 0.5	1.0 ~ 120 nH	1.4 A ~ 110 mA	1
		SWI0603 CT	1.6 x 1.1 x 1.05	1.6 ~ 390 nH	700 mA ~ 170 mA	1
		SWI0805 CT	2.0 x 1.3 x 1.2	2.2 ~ 390 nH	800 mA ~ 210 mA	1
		SWI1008 CT	2.6 x 2.1 x 1.7	3.3 ~ 1,000 nH	1.0 A ~ 120 mA	1
		SWI1210 CT	3.2 x 2.6 x 2.1	4.7 ~ 2,200 nH	1.0 A ~ 150 mA	1
	High Current	SWI0402 HP	1.0 x 0.6 x 0.5	2.0 ~ 68 nH	2.1 A ~ 320 mA	10
		SWI0603 HP	1.8 x 1.12 x 1.02	1.7 ~ 390 nH	2.1 A ~ 180 mA	10
	High Q	SWI1008 HQ	2.6 x 2.1 x 1.7	3.0 ~ 100 nH	1.6 A ~ 1.0 A	14
Ferrite Wire Wound Chip Inductor						
SWI 	Standard	SWI0603 FT	1.7 x 1.1 x 0.9	39 ~ 22,000 nH	1.7 A ~ 150 mA	16
		SWI0805 FT	2.0 x 1.3 x 1.2	470 ~ 10,000 nH	500 mA ~ 80 mA	16
		SWI1008 FT	2.6 x 2.1 x 1.7	470 ~ 47,000 nH	500 mA ~ 45 mA	16
		SWI1210 FT	3.2 x 2.6 x 2.1	1,200 ~ 47,000 nH	390 mA ~ 60 mA	16
	Shielded / High Current	SWI1008 PT	3.6 x 3.6 x 2.5	1.0 ~ 1,000 µH	1.0 A ~ 30 mA	21
LPI	Low Profile	LPI0603 FT	1.6 x 1.05 x 1.05	1,000 ~ 12,000 nH	680 mA ~ 190 mA	23
		LPI1210 FT	3.2 x 2.5 x 1.2	2,200 ~ 33,000 nH	800 mA ~ 220 mA	23
		HCI0805 FT	2.3 x 1.5 x 1.2	470 ~ 47,000 nH	1.6 A ~ 150 mA	26
Multilayer Chip Inductor						
MH 	RF - Ceramic	MH0603	0.6 x 0.3 x 0.3	1.0 ~ 27 nH	470 mA ~ 120 mA	28
		MH1005	1.0 x 0.5 x 0.5	1.0 ~ 270 nH	400 mA ~ 100 mA	28
		MH1608	1.6 x 0.8 x 0.8	1.0 ~ 220 nH	600 mA ~ 250 mA	28
	Power - Ferrite	MP1608	1.6 x 0.8 x 0.9	0.5 ~ 2.2 µH	900 mA ~ 650 mA	33
		MP2012	2.0 x 1.2 x 1.0	1.0 ~ 4.7 µH	1.0 A ~ 700 mA	33
		MP2016	2.0 x 1.6 x 1.0	1.0 ~ 4.7 µH	1.3 A ~ 900 mA	33
Multilayer Ferrite Chip Bead						
MU 	General	MU0603	0.6 x 0.3 x 0.3	10 ~ 1,000 Ω	500 mA ~ 100 mA	36
		MU1005	1.0 x 0.5 x 0.5	10 ~ 1,000 Ω	500 mA ~ 50 mA	36
		MU1608	1.6 x 0.8 x 0.8	19 ~ 1,500 Ω	400 mA ~ 200 mA	36
		MU2029	2.0 x 1.2 x 0.9	11 ~ 1,500 Ω	300 mA ~ 300 mA	36
	High Current	MB1005	1.0 x 0.5 x 0.5	10 ~ 180 Ω	2.0 A ~ 1.0 A	50
		MB1608	1.6 x 0.8 x 0.8	19 ~ 1,000 Ω	3.0 A ~ 1.0 A	50
		MB2029	2.0 x 1.2 x 0.9	17 ~ 1,500 Ω	3.0 A ~ 1.0 A	50

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Figure	Feature	Type	Dimension (LxWxH mm)	Inductance	Rated Current	Page
Wound Chip Inductor						
	Standard	CM3225	3.2 x 2.5 x 2.2	0.12 ~ 150 µH	450 mA ~ 65 mA	59
		CM4532	4.5 x 3.2 x 3.2	0.1 ~ 1,000 µH	800 mA ~ 30 mA	59
	High Current	CC3225	3.2 x 2.5 x 2.2	1.0 ~ 100 µH	770 mA ~ 75 mA	65
		CC4532	4.5 x 3.2 x 3.2	1.0 ~ 680 µH	1.1 A ~ 65 mA	65
Power Bead						
	High Current	PB0705	6.7 x 6.5 x 4.7	72 ~ 150 nH	65 A ~ 30 A	68
		PB1005	10 x 7.0 x 5.0	100 ~ 220 nH	73 A ~ 33 A	68
		PB1007	11 x 8.0 x 7.5	115 ~ 300 nH	94 A ~ 35 A	68
		PB1109	12 x 12 x 9.2	200 ~ 550 nH	95 A ~ 23 A	68
		PB1308	14 x 13 x 8.0	210 ~ 440 nH	71 A ~ 35 A	68
		PB1012	10 x 6.2 x 12	100 ~ 330 nH	92 A ~ 28 A	68
Non-Shielded SMD Power Inductor						
	General	SQ3225	3.2 x 2.5 x 2.0	1.0 ~ 560 µH	600 mA ~ 40 mA	71
		SQ4532	4.5 x 3.2 x 2.6	1.0 ~ 2,200 µH	1.4 A ~ 30 mA	71
		SQ5650	5.7 x 5.0 x 4.7	0.47 ~ 10,000 µH	4.8 A ~ 50 mA	71
		SB1608	6.6 x 4.5 x 2.9	1.0 ~ 1,000 µH	2.9 A ~ 70 mA	76
		SB7030	7.0 x 7.0 x 3.0	1.0 ~ 1,000 µH	3.0 A ~ 150 mA	78
		SB7045	7.0 x 7.0 x 4.5	1.2 ~ 1,000 µH	3.8 A ~ 200 mA	78
		SB0805	8.0 x 11 x 5.0	3.3 ~ 330 µH	5.0 A ~ 460 mA	81
		SB1005	10 x 13 x 5.0	1.0 ~ 10,000 µH	7.5 A ~ 100 mA	81
		SB1806	14 x 18 x 6.6	1.0 ~ 1,000 µH	10 A ~ 500 mA	81
		SB2207	22 x 15 x 7.0	0.8 ~ 100 µH	16 A ~ 2.0 A	85
		SR0302	Ø3.0 x 2.8 x 2.5	1.0 ~ 1,200 µH	2.1 A ~ 60 mA	87
		SR0403	Ø4.5 x 4.0 x 3.2	1.0 ~ 1,000 µH	3.8 A ~ 90 mA	87
		SR0502	Ø5.0 x 4.5 x 2.0	100 ~ 2,700 µH	265 mA ~ 53 mA	87
		SR0503	Ø5.0 x 4.5 x 3.0	0.5 ~ 15,000 µH	4.0 A ~ 20 mA	87
		SR0602	Ø5.6 x Ø5.6 x 2.5	1.0 ~ 1,000 µH	4.5 A ~ 80 mA	93
		SR0603	Ø5.6 x Ø5.6 x 3.7	1.5 ~ 470 µH	3.0 A ~ 15 mA	93
		SR0805	Ø7.5 x Ø7.5 x 5.0	1.5 ~ 4,700 µH	7.2 A ~ 150 mA	93
		SR0906	9.5 x 11 x 6.0	2.2 ~ 10,000 µH	4.0 A ~ 40 mA	98
		SR1006	Ø9.5 x Ø9.5 x 5.5	1.5 ~ 4,700 µH	6.4 A ~ 160 mA	101

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Figure	Feature	Type	Dimension (LxWxH mm)	Inductance	Rated Current	Page
Semi-shielded SMD Power Inductor						
TPI 	Standard	TPI3015	3.0 x 3.0 x 1.5	1.0 ~ 100 µH	2.3 A ~ 250 mA	104
		TPI4018	4.0 x 4.0 x 1.9	0.82 ~ 220 µH	4.0 A ~ 280 mA	104
		TPI4025	4.0 x 4.0 x 2.5	1.0 ~ 220 µH	3.0 A ~ 200 mA	104
		TPI5040	5.0 x 5.0 x 4.0	1.5 ~ 47 µH	3.6 A ~ 900 mA	104
		TPI6045	6.0 x 6.0 x 4.5	1.0 ~ 220 µH	6.5 A ~ 500 mA	104
RN 		RN6045	6.0 x 6.0 x 4.5	1.0 ~ 100 µH	4.2 A ~ 700 mA	108
		RN8040	8.2 x 7.9 x 4.0	0.5 ~ 100 µH	10 A ~ 1.0 A	108
		RN1060	9.8 x 10 x 6.0	1.5 ~ 470 µH	10 A ~ 800 mA	108
Shielded Molded SMD Power Inductor						
DP 	Mini High Current	DP2016	2.0 x 1.6 x 1.0	0.24 ~ 4.7 µH	4.7 A ~ 1.1 A	112
HC 	Low Porfile High Current	HC0312	3.4 x 3.1 x 1.2	0.47 ~ 2.2 µH	6.6 A ~ 3.1 A	114
		HC0315	3.4 x 3.1 x 1.5	0.47 ~ 2.2 µH	8.1 A ~ 3.6 A	114
		HC0320	3.4 x 3.1 x 2.0	0.47 ~ 2.2 µH	7.4 A ~ 3.4 A	114
		HC0412	4.4 x 4.1 x 1.2	0.47 ~ 4.7 µH	7.6 A ~ 2.6 A	114
		HC0415	4.4 x 4.1 x 1.5	0.47 ~ 4.7 µH	9.3 A ~ 2.8 A	114
		HC0420	4.4 x 4.1 x 2.0	0.47 ~ 4.7 µH	10.5 A ~ 3.1 A	114
		HC0512	5.4 x 5.1 x 1.2	0.47 ~ 4.7 µH	8.3 A ~ 3.1 A	114
		HC0515	5.4 x 5.1 x 1.5	0.47 ~ 4.7 µH	9.5 A ~ 3.7 A	114
		HC0520	5.4 x 5.1 x 2.0	0.47 ~ 4.7 µH	12.5 A ~ 4.2 A	114
		HC0612	7.1 x 6.7 x 1.2	0.47 ~ 4.7 µH	7.7 A ~ 3.9 A	114
		HC0615	7.1 x 6.7 x 1.5	0.47 ~ 4.7 µH	12.5 A ~ 4.3 A	114
		HC0620	7.1 x 6.7 x 2.0	0.47 ~ 10 µH	15.5 A ~ 3.6 A	114
HE 	High Current	HE0412	4.4 x 4.2 x 1.2	0.33 ~ 4.7 µH	6.5 A ~ 1.8 A	120
		HE0420	4.5 x 4.1 x 2.0	0.1 ~ 6.8 µH	12 A ~ 1.5 A	120
		HE0530	5.4 x 5.2 x 3.0	0.47 ~ 6.8 µH	13.5 A ~ 3.0 A	120
		HE0618	7.1 x 6.6 x 1.8	0.1 ~ 4.7 µH	18 A ~ 3.0 A	120
		HE0624	7.1 x 6.6 x 2.4	0.1 ~ 8.2 µH	30 A ~ 3.0 A	120
		HE0630-L	7.1 x 6.6 x 3.0	0.3 ~ 22 µH	21 A ~ 2.3 A	120
		HE0630-S	7.1 x 6.6 x 3.0	0.1 ~ 10 µH	32 A ~ 3.0 A	120
		HE0640	7.1 x 6.6 x 4.0	1.0 ~ 68 µH	12 A ~ 1.5 A	120

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Figure	Feature	Type	Dimension (LxWxH mm)	Inductance	Rated Current	Page
Shielded Molded SMD Power Inductor						
	High Current	HE1040-L	12 x 10 x 4.0	0.19 ~ 3.3 µH	44 A ~ 11 A	120
		HE1040-S	12 x 10 x 4.0	0.15 ~ 68 µH	40 A ~ 2.6 A	120
		HE1235	14 x 13 x 3.5	0.1 ~ 10 µH	43 A ~ 7.0 A	120
		HE1250	14 x 13 x 5.0	0.1 ~ 10 µH	55 A ~ 9.0 A	120
		HE1265	14 x 13 x 6.5	0.1 ~ 22 µH	60 A ~ 5.0 A	120
		HE1770	18 x 17 x 7.0	0.82 ~ 1,000 µH	56.5 A ~ 5.0 A	120
	Metal Cover Molded	HS0735-S	7.2 x 7.2 x 3.5	0.33 ~ 33 µH	21 A ~ 2.5 A	130
		HS1145-S	11.5 x 10.7 x 4.5	2.2 ~ 100 µH	15 A ~ 2.0 A	130
	Metal Cover Molded - High Saturation	HS0735-E	7.2 x 7.2 x 3.5	0.1 ~ 10 µH	34 A ~ 4.0 A	133
		HS1145-E	11.5 x 10.7 x 4.5	1.0 ~ 68 µH	18 A ~ 3.0 A	133
Shielded SMD Power Inductor						
	Low Profile	QS3818	3.8 x 3.8 x 1.8	1.0 ~ 100 µH	2.1 A ~ 200 mA	136
		QS3828	3.8 x 3.8 x 2.8	3.3 ~ 100 µH	1.7 A ~ 320 mA	136
		QS4818	4.8 x 4.8 x 1.8	1.0 ~ 100 µH	3.6 A ~ 330 mA	136
		QS4828	4.8 x 4.8 x 2.8	1.2 ~ 560 µH	3.0 A ~ 150 mA	136
		QS5818	5.8 x 5.8 x 1.8	1.5 ~ 220 µH	3.0 A ~ 240 mA	136
		QS5828	5.8 x 5.8 x 2.8	2.6 ~ 680 µH	3.1 A ~ 210 mA	136
		QS6822	6.8 x 6.8 x 2.3	1.0 ~ 1,000 µH	4.2 A ~ 130 mA	136
		QS6828	6.8 x 6.8 x 2.8	2.5 ~ 1,000 µH	3.4 A ~ 170 mA	136
	High Inductance	SS6028	6.0 x 6.0 x 2.8	1.0 ~ 1,000 µH	3.0 A ~ 90 mA	143
		SS6038	6.0 x 6.0 x 3.8	1.0 ~ 1,000 µH	3.7 A ~ 130 mA	143
		SS1608	6.5 x 4.4 x 2.9	1.0 ~ 10,000 µH	1.2 A ~ 10 mA	146
		SS0603	6.5 x 6.5 x 3.1	1.5 ~ 1,000 µH	2.2 A ~ 100 mA	148
		SS0604	6.5 x 6.5 x 4.6	1.5 ~ 1,000 µH	2.8 A ~ 120 mA	148
		SS2506	6.8 x 5.6 x 1.7	2.2 ~ 100 µH	1.9 A ~ 220 mA	151
		SS7032	7.0 x 7.0 x 3.2	3.3 ~ 1,000 µH	2.2 A ~ 140 mA	153
		SS7045	7.5 x 7.0 x 4.5	1.0 ~ 1,000 µH	5.2 A ~ 160 mA	153
		SS0805	8.0 x 11 x 4.5	2.2 ~ 1,000 µH	2.5 A ~ 150 mA	157
		SS0906	9.5 x 11 x 6.0	2.7 ~ 10,000 µH	3.2 A ~ 70 mA	159
		SS0908	9.5 x 11 x 7.5	1.5 ~ 15,000 µH	5.6 A ~ 75 mA	159
		SS1005	10 x 13 x 4.9	1.0 ~ 3,300 µH	5.8 A ~ 180 mA	163
		SS1003	10 x 13 x 2.7	1.8 ~ 470 µH	3.0 A ~ 160 mA	163

HE

QS

SS

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Figure	Feature	Type	Dimension (LxWxH mm)	Inductance	Rated Current	Page
Shielded SMD Power Inductor						
SS		SS1045	10 x 10 x 4.5	2.7 ~ 1,500 µH	3.7 A ~ 220 mA	167
		SS1258	12 x 12 x 6.0	1.0 ~ 1,000 µH	8.0 A ~ 600 mA	169
		SS1278	12 x 12 x 8.0	1.4 ~ 1,000 µH	10 A ~ 680 mA	169
		SS1210	12 x 12 x 10	1.0 ~ 1,000 µH	11 A ~ 700 mA	169
	High Inductance	SS1240	13 x 13 x 4.0	1.0 ~ 1,000 µH	9.2 A ~ 400 mA	174
		SS1260	13 x 13 x 6.0	1.0 ~ 1,000 µH	9.4 A ~ 600 mA	174
		SS1280	13 x 13 x 7.5	1.1 ~ 1,000 µH	10 A ~ 680 mA	174
		SS1205	13 x 13 x 5.0	2.5 ~ 820 µH	5.0 A ~ 300 mA	179
		SS1206	13 x 13 x 6.0	2.5 ~ 1,500 µH	6.2 A ~ 200 mA	179
		SS1208	13 x 13 x 8.0	2.5 ~ 1,500 µH	7.8 A ~ 360 mA	179
		SS1806	14 x 18 x 6.8	10 ~ 1,000 µH	4.0 A ~ 450 mA	184
SU		SU5016	5.2 x 5.2 x 1.6	1.8 ~ 100 µH	1.7 A 270 mA	186
		SU5018	5.2 x 5.2 x 1.8	1.0 ~ 100 µH	2.8 A ~ 310 mA	186
		SU5028	5.2 x 5.2 x 2.8	1.2 ~ 100 µH	3.4 A ~ 420 mA	186
		SU6018	6.2 x 6.5 x 1.8	1.2 ~ 100 µH	2.8 A ~ 340 mA	186
		SU6025	6.2 x 6.5 x 2.5	1.2 ~ 220 µH	3.2 A ~ 240 mA	186
		SU8030	8.0 x 8.0 x 2.8	3.3 ~ 100 µH	4.6 A ~ 750 mA	186
		SU8040	8.0 x 8.0 x 3.8	3.3 ~ 150 µH	5.0 A ~ 770 mA	186
		SU8043	8.0 x 8.0 x 4.3	1.0 ~ 100 µH	6.6 A ~ 800 mA	186
		SU8058	8.0 x 8.0 x 5.8	3.9 ~ 100 µH	4.5 A ~ 900 mA	186
	General	SU1030	10 x 10 x 2.8	3.5 ~ 150 µH	5.0 A ~ 840 mA	186
		SU1040	10 x 10 x 3.8	3.8 ~ 330 µH	5.8 A ~ 600 mA	186
		SU1048	10 x 10 x 4.8	0.8 ~ 330 µH	7.8 A ~ 520 mA	186
		SU1065	10 x 10 x 6.6	2.8 ~ 100 µH	6.5 A ~ 1.4 A	186
CU		CU8030	8.0 x 8.2 x 2.8	3.3 ~ 100 µH	4.6 A ~ 750 mA	194
		CU8043	8.0 x 8.2 x 4.4	0.47 ~ 100 µH	4.6 A ~ 750 mA	194
		CU8048	8.0 x 8.2 x 2.8	3.3 ~ 100 µH	8.7 A ~ 1.0 A	194
		CU1038	10 x 10 x 3.8	3.3 ~ 330 µH	7.0 A ~ 600 mA	194
		CU1048	10 x 10 x 4.8	0.8 ~ 330 µH	9.5 A ~ 730 mA	194
		CU1206	12 x 12 x 5.8	1.5 ~ 1,000 µH	7.0 A ~ 600 mA	194

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Figure	Feature	Type	Dimension (LxWxH mm)	Inductance	Rated Current	Page	
Shielded SMD Power Inductor							
	High Inductance	BS0703	7.3 x 7.3 x 3.5	10 ~ 1,000 µH	2.1 A ~ 170 mA	199	BS
		BS0704	7.3 x 7.3 x 4.5	1.0 ~ 1,000 µH	5.0 A ~ 200 mA	199	
		BS0906	14 x 11 x 6.0	2.7 ~ 1,000 µH	3.2 A ~ 70 mA	203	
	Coupled	BF0703	7.6 x 7.6 x 3.4	0.33 ~ 1,000 µH	6.2 A ~ 250 mA	206	BF
		SF1258	13 x 13 x 6.0	0.47 ~ 1,000 µH	17.6 A ~ 570 mA	208	
		SF1278	13 x 13 x 8.0	0.47 ~ 1,000 µH	17.9 A ~ 610 mA	208	
	Ultra High Current	PQ2615	28 x 20 x 15	2.2 ~ 33 µH	100 A ~ 5.9 A	211	PQ
Through Hole Inductor							
	Radial Fixed	RB0608	Ø5.0 x Ø5.0 x 6.5	1.0 µH ~ 1.0 mH	1.0 A ~ 100 mA	213	RB
		RB0712	Ø6.7 x Ø6.7 x 10	10 µH ~ 560 µH	1.1 A ~ 150 mA	213	
		RB0812	Ø6.7 x Ø6.7 x 10	47 µH ~ 47 mH	450 mA ~ 16 mA	213	
		RB0912	Ø8.7 x Ø8.7 x 10	1.5 µH ~ 1.0 mH	6.0 A ~ 350 mA	213	
		RB0914	Ø8.7 x Ø8.7 x 12	3.3 µH ~ 1.0 mH	3.6 A ~ 420 mA	213	
		RB1010	Ø11 x Ø11 x 11	100 µH ~ 100 mH	900 mA ~ 20 mA	213	
		RB1314	Ø12 x Ø12 x 12	3.3 µH ~ 15 mH	5.6 A ~ 82 mA	213	
	Radial Open	RC1008	Ø10 x Ø10 x 8.0	10 µH ~ 1.0 mH	4.5 A ~ 460 mA	221	RC
		RC1010	Ø11 x Ø11 x 11	10 µH ~ 1.0 mH	4.8 A ~ 560 mA	221	
SMD Line Filter							
	Data Line	PWC0603 ST	1.6 x 0.9 x 1.1	22 ~ 250 Ω	500 mA ~ 400 mA	224	PWC
		PWC0805 ST	2.0 x 1.2 x 1.2	67 ~ 360 Ω	400 mA ~ 280 mA	224	
		PWC1206 ST	3.2 x 1.6 x 1.9	90 ~ 2,200 Ω	370 mA ~ 200 mA	224	
		PWC0805 HT	2.0 x 1.2 x 1.0	67 ~ 180 Ω	330 mA ~ 250 mA	224	

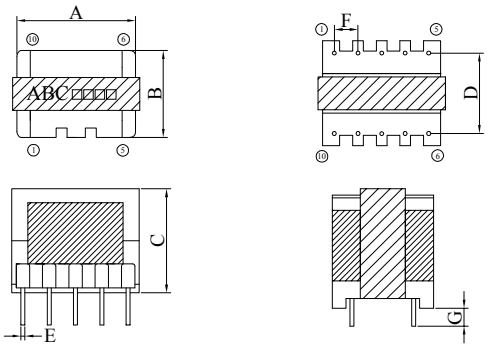
INDEX SMD Inductive Component

Figure	Feature	Type	Dimension (LxWxH mm)	Inductance / Impedance	Rated Current	Page
SMD Line Filter						
QF 	Power Line	QF7035	7.0 x 6.0 x 3.5	300 ~ 3,000 Ω	5.0 A ~ 1.2 A	227
		QF9045	9.0 x 7.0 x 4.5	700 ~ 700 Ω	5.0 A ~ 5.0 A	227
		QF1260	12 x 11 x 6.0	700 ~ 1,000 Ω	8.0 A ~ 6.0 A	227
SF 	General	SF3225	3.2 x 2.5 x 2.4	100 ~ 100 µH	100 mA ~ 100 mA	232
		SF4532	4.5 x 3.2 x 3.0	11 ~ 100 µH	360 mA ~ 200 mA	232
		SF0502	5.0 x 5.0 x 2.5	0.23 ~ 2.6 µH	6.0 A ~ 1.5 A	236
		SF0503	6.0 x 3.3 x 3.3	11 ~ 50 µH	100 mA ~ 100 mA	239
		SF0504	4.8 x 5.0 x 4.8	0.6 ~ 2.8 µH	5.0 A ~ 200 mA	241
		SF0602	6.5 x 3.6 x 1.7	10 ~ 330 µH	300 mA ~ 300 mA	244
		SF0904	9.0 x 5.4 x 4.7	11 ~ 4,700 µH	500 mA ~ 200 mA	246
		SF0905	9.0 x 6.0 x 5.0	10 ~ 6,500 µH	1.6 A ~ 300 mA	248
		SF1065	10 x 8.7 x 6.5	10 ~ 5,000 µH	4.0 A ~ 300 mA	250
		SF1206	12 x 9.0 x 5.7	5.0 ~ 300 µH	2.4 A ~ 320 mA	253
		SF1355	13 x 10 x 5.4	35 ~ 1,000 µH	2.7 A ~ 350 mA	255
		SF1407	14 x 12 x 6.7	5.0 ~ 300 µH	3.3 A ~ 520 mA	257
DIP Line Filter						
TR 	Toroidal Core	TR0806	8.5 x 6.0 x 20	10 ~ 10 µH	1.0 A ~ 1.0 A	259
		TR1307	14 x 7.5 x 20	25 ~ 25 µH	2.0 A ~ 2.0 A	259
		TR1711	17 x 11 x 25	26 ~ 72 µH	2.0 A ~ 2.0 A	259
		TR1714	17 x 14 x 25	45 ~ 125 µH	2.0 A ~ 2.0 A	259
		TR2616	26 x 16 x 25	35 ~ 100 µH	5.0 A ~ 5.0 A	259
UF 	EMI Filter	UF09H2	15 x 17 x 13	0.5 ~ 10 mH	1.4 A ~ 300 mA	262
		UF09V2	12 x 17 x 17	0.5 ~ 10 mH	1.4 A ~ 300 mA	262
		UF10V2	17 x 19 x 23	10 ~ 1.0 mH	400 mA ~ 1.6 A	264
		UF10V4	17 x 19 x 21	8.0 ~ 0.8 mH	400 mA ~ 1.6 A	264
		UF15V2	19 x 23 x 28	20 ~ 1.5 mH	500 mA ~ 1.8 A	266
		UF15V4	19 x 23 x 28	20 ~ 1.8 mH	500 mA ~ 1.8 A	266

Transformer

EE

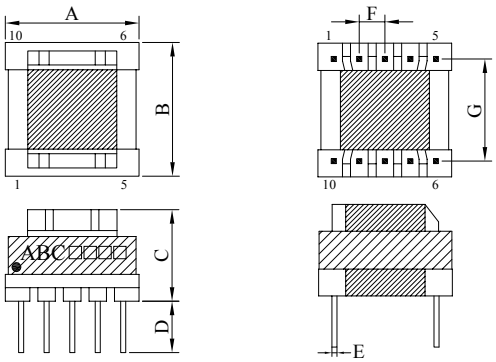
• Size: 8.3~70 • Example (EE13) • Power Range: <5(W) at100kHz



A :	14.50 max	mm
B :	13.00 max.	mm
C :	14.20 max.	mm
D :	8.50±0.50	mm
E :	0.60±0.10	mm
F :	2.50±0.50	mm
G :	3.50±0.50	mm

EF

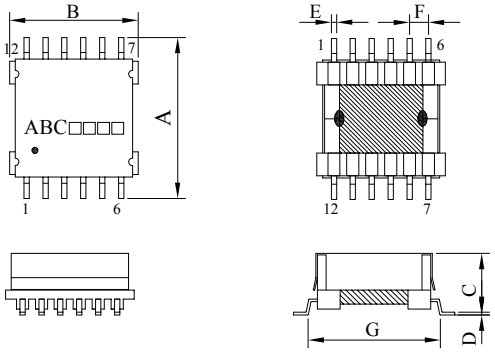
• Size: 10~25 • Example (EF12) • Power Range: <5(W) at100kHz



A :	14.30 max	mm
B :	14.30 max.	mm
C :	9.80 max.	mm
D :	5.10±0.50	mm
E :	0.60±0.10	mm
F :	2.54±0.50	mm
G :	10.16±0.50	mm

EFD

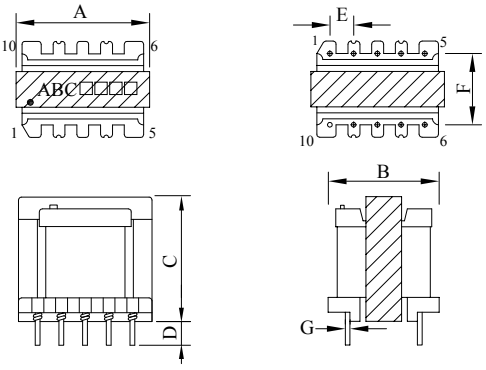
• Size: 10~30 • Example (EFD15) • Power Range: 10-20(W) at100kHz



A :	22.30 max	mm
B :	17.30 max.	mm
C :	9.00 max.	mm
D :	0.35±0.50	mm
E :	0.70±0.10	mm
F :	2.50±0.50	mm
G :	1.80±0.50	mm

EI

• Size: 16~70 • Example (EI22) • Power Range: <5(W) at100kHz

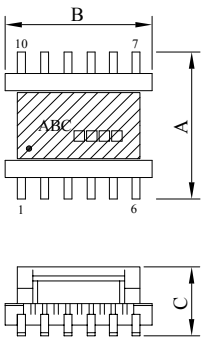


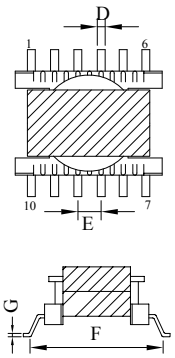
A :	23.50 max	mm
B :	17.20 max.	mm
C :	21.00 max.	mm
D :	4.00±1.00	mm
E :	4.00±0.50	mm
F :	10.00±0.80	mm
G :	0.80±0.05	mm

Transformer

ER

• Size: 9.5~30 • Example (ER12) • Power Range: 5-15(W) at100kHz

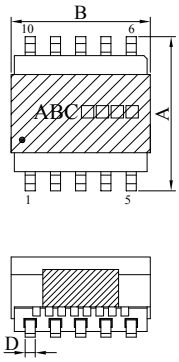


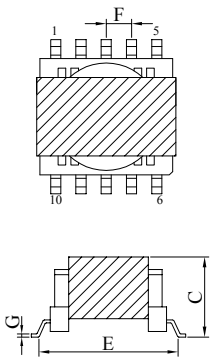


A :	13.00 max	mm
B :	13.00 max.	mm
C :	6.20 max.	mm
D :	0.70±0.10	mm
E :	2.00±0.50	mm
F :	11.00±0.50	mm
G :	0.25±0.50	mm

ERI

• Size: 14~30 • Example (ERI14.5) • Power Range: 5-15(W) at100kHz

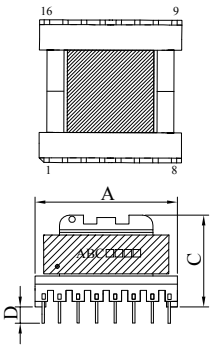


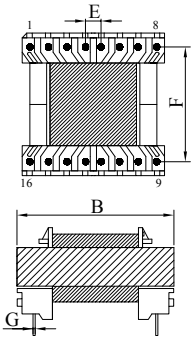


A :	17.30 max	mm
B :	15.20 max.	mm
C :	8.00 max.	mm
D :	0.70±0.10	mm
E :	14.60±0.50	mm
F :	2.50±0.50	mm
G :	0.30±0.10	mm

EER

• Size: 19~53 • Example (EER35) • Power Range: 50-100(W) at100kHz

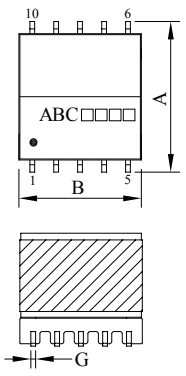


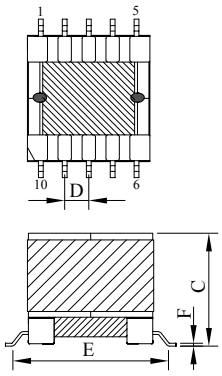


A :	42.00 max	mm
B :	45.00 max.	mm
C :	30.50 max.	mm
D :	4.00±0.50	mm
E :	5.00±0.50	mm
F :	35.00±0.50	mm
G :	1.00±0.10	mm

EP

• Size: 7~17 • Example (EP13) • Power Range: 5-10W) at100kHz



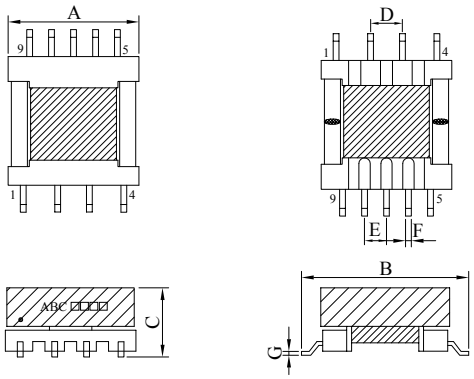


A :	17.80 max	mm
B :	13.50 max.	mm
C :	12.30 max.	mm
D :	2.54±0.20	mm
E :	15.40 ref.	mm
F :	0.40ref.	mm
G :	0.70±0.10	mm

Transformer

EPC

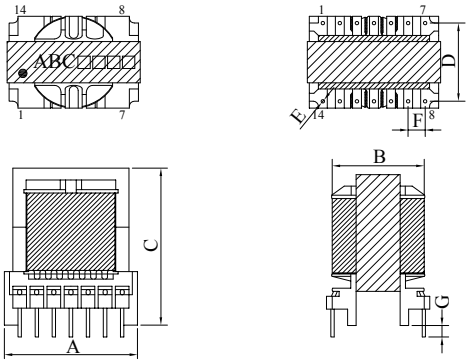
• Size: 10~30 • Example (EPC17) • Power Range: 10-20(W) at100kHz



A :	20.00 max	mm
B :	24.00 max.	mm
C :	11.00 max.	mm
D :	5.00±0.50	mm
E :	3.50±0.50	mm
F :	0.80±0.10	mm
G :	0.50±0.10	mm

ETD

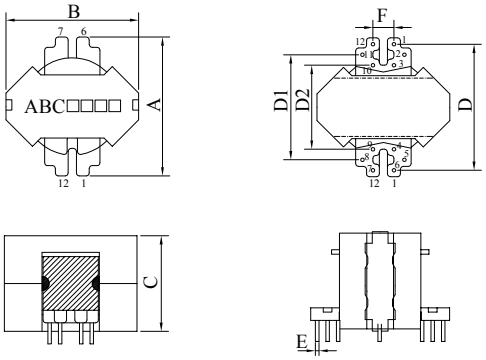
• Size: 29~59 • Example (ETD34) • Power Range: 50-100(W) at100kHz



A :	39.00 max	mm
B :	28.00 max.	mm
C :	46.00 max.	mm
D :	22.9±0.50	mm
E :	1.00 ref.	mm
F :	5.00±0.30	mm
G :	3.50±0.50	mm

RM

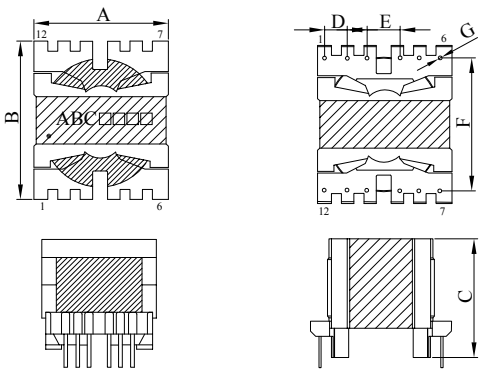
• Size: 5~14 • Example (RM8) • Power Range: 10-20(W) at100kHz



A :	26.50 max	mm
B :	26.80 max.	mm
C :	17.70 max.	mm
D :	21.6±0.30	mm
D1 :	18.0±0.30	mm
D1 :	14.4 ±0.30	mm
E :	0.60 ref.	mm
F :	7.20±0.30	mm
G :	3.60 ±0.30	mm

PQ

• Size: 20~50 • Example (PQ2625) • Power Range: 50-100(W) at100kHz



A :	28.50 max	mm
B :	32.00 max.	mm
C :	26.50 max.	mm
D :	4.00 ref.	mm
E :	7.70 ref.	mm
F :	25.50 ref.	mm
G :	0.75 ref.	mm

Part Number Expression

HE	0640	330	M	P	B	-			
1	2	3	4	5	6		7		

1	Product Type		
2	Dimension		
3	Value	Code	Define
		1N2	1.2 nH
		14N	14 nH
		R14	0.14 μH / 140 nH
		2R2	2.2 μH
		100	10 μH / 10 Ω
		201	200 μH / 200 Ω
		210	210 μH / 210 Ω
		102	1,000 μH / 1,000 Ω

4	Tolerence	Code	Define
		B	±0.1nH
		C	±0.2nH
		D	±0.3nH
		G	±2%
		H	±3%
		J	±5%
		K	±10%
		M	±20%
		Y	Others
5	Classification		
6	Packing code		
7	Reference code		

Part Number Expression for SWI, PWC, LPI, HCI, TPI Types

SWI	0402	C	T	3N9	J	-	KI
1	2	3	4	5	6		7

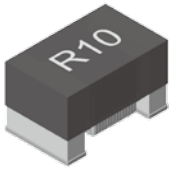
1	Product Type		
2	Dimension		
3	Material Type	Code	Define
		C	Ceramic
		F	Ferrite
		P	Ferrite with Magnetic Shield
		S	Shielded
		H	Non-Shielded
4	T or S for taping		
3+4	Material Type	Code	Define
		HP	High Current
		HQ	High Q

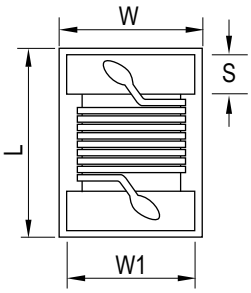
5	Value	Code	Define
		1N2	1.2 nH
		14N	14 nH
		R14	0.14 μH / 140 nH
		2R2	2.2 μH
		100	10 μH
6	Tolerence	Code	Define
		B	±0.20 nH
		S	±0.30 nH for SWI ±25% for PWC
		G	±2%
		J	±5%
		K	±10%
		M	±20%
		N	±30%
7	Internal Code		

SWI SERIES

0201 / 0402 / 0603 / 0805 / 1008 / 1210 CT

Standard





Unit: mm

Series	L	W	T	S	L1	W1	T1
SWI0201	0.52±0.10	0.40±0.10	0.40±0.10	0.10±0.05	0.28 ref.	0.38 ref.	0.14 ref.
SWI0402	1.00±0.10	0.55±0.10	0.50±0.10	0.20±0.10	0.60 ref.	0.48 ref.	0.20 ref.
SWI0603	1.60±0.20	1.05±0.20	1.05±0.20	0.35±0.10	0.80 ref.	0.95 ref.	0.50 ref.
SWI0805	2.00±0.20	1.25±0.20	1.20±0.20	0.40±0.10	1.10 ref.	1.15 ref.	0.60 ref.
SWI1008	2.60±0.20	2.10±0.20	1.70±0.20	0.50±0.10	1.40 ref.	1.90 ref.	0.70 ref.
SWI1210	3.20±0.20	2.60±0.20	2.10±0.20	0.50±0.10	2.05 ref.	2.10 ref.	1.10 ref.

Features

- Higher Self Resonate Frequency
- Better Q factor
- Tight tolerance ± 0,2nH, 2% Available
- Small size down to 0201
- Operating temp.: -40°C ~ +125°C
  (including self-temperature rise)

compliant RoHS

RoHS & HF compliant

Application

- Metaverse application
- RF circuits

SWI0201 CT Series						
Part No.	Inductance[1] (nH)	Tolerance	Q[2] min.	SRF[3] (GHz) min.	RDC[4] (Ω) max.	IDC[5] (mA) max.
SWI0201CT 0N5 □-□□	0.5 @ 250MHz	J, K	15 @ 250MHz	23.5	0.020	1250
SWI0201CT 0N6 □-□□	0.6 @ 250MHz	K	13 @ 250MHz	24.5	0.030	1000
SWI0201CT 1N2 □-□□	1.2 @ 250MHz	J	15 @ 250MHz	17.9	0.042	870
SWI0201CT 1N3 □-□□	1.3 @ 250MHz	J	15 @ 250MHz	17.6	0.048	820
SWI0201CT 1N4 □-□□	1.4 @ 250MHz	J	14 @ 250MHz	17.0	0.080	630
SWI0201CT 1N5 □-□□	1.5 @ 250MHz	J	14 @ 250MHz	17.0	0.090	600
SWI0201CT 2N2 □-□□	2.2 @ 250MHz	J	16 @ 250MHz	16.7	0.070	700
SWI0201CT 2N3 □-□□	2.3 @ 250MHz	J	16 @ 250MHz	16.5	0.070	670
SWI0201CT 2N4 □-□□	2.4 @ 250MHz	J	14 @ 250MHz	13.0	0.082	620
SWI0201CT 2N5 □-□□	2.5 @ 250MHz	J	15 @ 250MHz	12.5	0.165	440
SWI0201CT 3N3 □-□□	3.3 @ 250MHz	J	16 @ 250MHz	12.8	0.080	630
SWI0201CT 3N4 □-□□	3.4 @ 250MHz	J	16 @ 250MHz	12.7	0.080	630
SWI0201CT 3N5 □-□□	3.5 @ 250MHz	J	16 @ 250MHz	12.4	0.080	630
SWI0201CT 3N6 □-□□	3.6 @ 250MHz	J	19 @ 250MHz	12.5	0.105	550
SWI0201CT 3N7 □-□□	3.7 @ 250MHz	J	19 @ 250MHz	10.6	0.105	550
SWI0201CT 3N8 □-□□	3.8 @ 250MHz	J	19 @ 250MHz	10.2	0.180	420
SWI0201CT 3N9 □-□□	3.9 @ 250MHz	J	19 @ 250MHz	11.2	0.240	360
SWI0201CT 4N8 □-□□	4.8 @ 250MHz	J	17 @ 250MHz	11.0	0.096	570
SWI0201CT 4N9 □-□□	4.9 @ 250MHz	J	17 @ 250MHz	11.7	0.130	510
SWI0201CT 5N0 □-□□	5.0 @ 250MHz	J	17 @ 250MHz	11.5	0.130	510
SWI0201CT 5N1 □-□□	5.1 @ 250MHz	J	14 @ 250MHz	11.1	0.130	510
SWI0201CT 5N2 □-□□	5.2 @ 250MHz	J	15 @ 250MHz	10.0	0.170	430
SWI0201CT 5N3 □-□□	5.3 @ 250MHz	J	15 @ 250MHz	10.6	0.130	510
SWI0201CT 5N4 □-□□	5.4 @ 250MHz	J	15 @ 250MHz	10.2	0.130	510
SWI0201CT 5N5 □-□□	5.5 @ 250MHz	J	15 @ 250MHz	9.5	0.130	330
SWI0201CT 6N7 □-□□	6.7 @ 250MHz	J	17 @ 250MHz	6.8	0.150	460
SWI0201CT 6N8 □-□□	6.8 @ 250MHz	J	17 @ 250MHz	9.5	0.150	460
SWI0201CT 6N9 □-□□	6.9 @ 250MHz	J	17 @ 250MHz	9.3	0.150	460
SWI0201CT 7N0 □-□□	7.0 @ 250MHz	J	17 @ 250MHz	6.7	0.210	390
SWI0201CT 7N1 □-□□	7.1 @ 250MHz	J	24 @ 250MHz	9.5	0.250	390
SWI0201CT 7N2 □-□□	7.2 @ 250MHz	J	24 @ 250MHz	9.4	0.250	390
SWI0201CT 7N3 □-□□	7.3 @ 250MHz	J	23 @ 250MHz	9.3	0.250	390
SWI0201CT 7N4 □-□□	7.4 @ 250MHz	J	23 @ 250MHz	9.1	0.250	390
SWI0201CT 7N5 □-□□	7.5 @ 250MHz	J	23 @ 250MHz	6.8	0.250	300
SWI0201CT 7N6 □-□□	7.6 @ 250MHz	J	14 @ 250MHz	9.3	0.300	340
SWI0201CT 7N7 □-□□	7.7 @ 250MHz	J	14 @ 250MHz	9.2	0.300	340
SWI0201CT 7N8 □-□□	7.8 @ 250MHz	J	14 @ 250MHz	9.2	0.300	340
SWI0201CT 7N9 □-□□	7.9 @ 250MHz	J	14 @ 250MHz	9.1	0.300	340
SWI0201CT 8N0 □-□□	8.0 @ 250MHz	J	14 @ 250MHz	9.2	0.300	340
SWI0201CT 8N1 □-□□	8.1 @ 250MHz	J	14 @ 250MHz	9.1	0.300	340
SWI0201CT 8N2 □-□□	8.2 @ 250MHz	J	14 @ 250MHz	6.4	0.270	340
SWI0201CT 8N3 □-□□	8.3 @ 250MHz	J	14 @ 250MHz	8.9	0.300	340
SWI0201CT 8N4 □-□□	8.4 @ 250MHz	J	14 @ 250MHz	8.9	0.350	300
SWI0201CT 8N5 □-□□	8.5 @ 250MHz	J	14 @ 250MHz	8.9	0.350	300
SWI0201CT 8N7 □-□□	8.7 @ 250MHz	J	14 @ 250MHz	6.3	0.350	300
SWI0201CT 9N0 □-□□	9.0 @ 250MHz	J	14 @ 250MHz	6.4	0.350	300
SWI0201CT 9N4 □-□□	9.4 @ 250MHz	J	15 @ 250MHz	6.4	0.400	280
SWI0201CT 9N6 □-□□	9.6 @ 250MHz	J	15 @ 250MHz	6.2	0.400	280
SWI0201CT 11N □-□□	11 @ 250MHz	J	14 @ 250MHz	5.7	0.400	280
SWI0201CT 12N □-□□	12 @ 250MHz	J	14 @ 250MHz	5.6	0.360	300
SWI0201CT 13N □-□□	13 @ 250MHz	J	14 @ 250MHz	6.7	0.440	270
SWI0201CT 14N □-□□	14 @ 250MHz	J	14 @ 250MHz	5.1	0.440	270

• All specifications are subject to change without notice.

SWI0402 CT Series							
Part No.	Inductance[1] (nH)	Tolerance	Q[2]		SRF[3] (MHz) min.	RDC[4] (Ω) max.	IDC[5] (mA) max.
			min.	Typical @900MHz			
SWI0402CT1N0□-□□	1.0 @ 250MHz	B, S	13	26	6000	0.045	1360
SWI0402CT1N2□-□□	1.2 @ 250MHz	B, S	13	23	6000	0.060	1360
SWI0402CT1N5□-□□	1.5 @ 250MHz	B, S	16	29	6000	0.070	1040
SWI0402CT1N8□-□□	1.8 @ 250MHz	B, S	16	29	6000	0.070	1040
SWI0402CT1N9□-□□	1.9 @ 250MHz	B, S	16	29	6000	0.070	1040
SWI0402CT2N0□-□□	2.0 @ 250MHz	B, S, J	16	30	6000	0.070	1040
SWI0402CT2N2□-□□	2.2 @ 250MHz	B, S	18	32	6000	0.070	960
SWI0402CT2N4□-□□	2.4 @ 250MHz	B, S	16	35	6000	0.068	790
SWI0402CT2N7□-□□	2.7 @ 250MHz	B, S	16	31	6000	0.120	860
SWI0402CT3N3□-□□	3.3 @ 250MHz	B, J, K	20	41	6000	0.066	840
SWI0402CT3N6□-□□	3.6 @ 250MHz	B, J, K	20	43	6000	0.066	840
SWI0402CT3N9□-□□	3.9 @ 250MHz	B, J, K	20	41	5800	0.066	840
SWI0402CT4N3□-□□	4.3 @ 250MHz	B, J, K	18	45	6000	0.091	700
SWI0402CT4N7□-□□	4.7 @ 250MHz	B, J, K	15	45	4775	0.130	640
SWI0402CT5N1□-□□	5.1 @ 250MHz	B, J, K	23	49	5800	0.083	800
SWI0402CT5N6□-□□	5.6 @ 250MHz	B, J, K	23	46	5800	0.083	760
SWI0402CT6N2□-□□	6.2 @ 250MHz	B, J, K	23	49	5800	0.083	760
SWI0402CT6N8□-□□	6.8 @ 250MHz	B, J, K	20	50	4800	0.083	680
SWI0402CT7N5□-□□	7.5 @ 250MHz	B, J, K	25	50	5800	0.104	680
SWI0402CT8N2□-□□	8.2 @ 250MHz	B, J, K	25	49	4400	0.104	680
SWI0402CT8N7□-□□	8.7 @ 250MHz	B, J, K	18	50	4100	0.200	480
SWI0402CT9N0□-□□	9.0 @ 250MHz	B, J, K	25	49	4160	0.104	680
SWI0402CT9N5□-□□	9.5 @ 250MHz	B, J, K	18	45	4000	0.200	680
SWI0402CT10N□-□□	10.0 @ 250MHz	G, J, K	23	47	3900	0.195	480
SWI0402CT11N□-□□	11.0 @ 250MHz	G, J, K	26	56	3680	0.120	640
SWI0402CT12N□-□□	12.0 @ 250MHz	G, J, K	26	51	3600	0.120	640
SWI0402CT13N□-□□	13.0 @ 250MHz	G, J, K	24	54	3450	0.210	560
SWI0402CT15N□-□□	15.0 @ 250MHz	G, J, K	26	54	3280	0.172	560
SWI0402CT16N□-□□	16.0 @ 250MHz	G, J, K	24	54	3100	0.220	560
SWI0402CT18N□-□□	18.0 @ 250MHz	G, J, K	25	52	3100	0.230	520
SWI0402CT19N□-□□	19.0 @ 250MHz	G, J, K	26	50	3040	0.202	480
SWI0402CT20N□-□□	20.0 @ 250MHz	G, J, K	25	51	3000	0.250	420
SWI0402CT22N□-□□	22.0 @ 250MHz	G, J, K	25	52	2800	0.300	400
SWI0402CT23N□-□□	23.0 @ 250MHz	G, J, K	26	53	2720	0.214	400
SWI0402CT24N□-□□	24.0 @ 250MHz	G, J, K	25	51	2700	0.300	400
SWI0402CT27N□-□□	27.0 @ 250MHz	G, J, K	26	48	2480	0.298	400
SWI0402CT30N□-□□	30.0 @ 250MHz	G, J, K	25	46	2350	0.300	400
SWI0402CT33N□-□□	33.0 @ 250MHz	G, J, K	24	48	2350	0.350	400
SWI0402CT36N□-□□	36.0 @ 250MHz	G, J, K	26	48	2320	0.403	320
SWI0402CT39N□-□□	39.0 @ 250MHz	G, J, K	25	45	2100	0.550	320
SWI0402CT40N□-□□	40.0 @ 250MHz	G, J, K	26	48	2240	0.438	320
SWI0402CT43N□-□□	43.0 @ 250MHz	G, J, K	25	46	2030	0.810	240
SWI0402CT47N□-□□	47.0 @ 200MHz	G, J, K	26	46	2100	0.830	210
SWI0402CT51N□-□□	51.0 @ 200MHz	J, K	25	40	1750	0.820	210
SWI0402CT56N□-□□	56.0 @ 200MHz	J, K	22	42	1760	0.970	200
SWI0402CT68N□-□□	68.0 @ 200MHz	J, K	22	36	1620	1.120	180
SWI0402CT75N□-□□	75.0 @ 150MHz	J, K	20	33	1550	1.200	160
SWI0402CT82N□-□□	82.0 @ 150MHz	J, K	20	33	1500	1.250	150
SWI0402CT91N□-□□	91.0 @ 150MHz	J, K	20	30	1350	2.300	120
SWI0402CTR10□-□□	100.0 @ 150MHz	J, K	20	30	1300	2.520	120
SWI0402CTR12□-□□	120.0 @ 150MHz	J, K	20	29	1100	2.660	110

SWI0603 CT Series							
Part No.	Inductance[1] (nH)	Tolerance	Q[2]		SRF[3] (MHz) min.	RDC[4] (Ω) max.	IDC[5] (mA) max.
			min.	Typical @900MHz			
SWI0603CT1N6□-□□	1.6 @ 250MHz	B, S	24	40	12500	0.030	700
SWI0603CT1N8□-□□	1.8 @ 250MHz	B, S	16	35	12500	0.045	700
SWI0603CT2N0□-□□	2.0 @ 250MHz	B, S	16	31	6900	0.080	700
SWI0603CT3N9□-□□	3.9 @ 250MHz	B, S	22	51	6900	0.080	700
SWI0603CT4N3□-□□	4.3 @ 250MHz	B, S	22	45	5900	0.080	700
SWI0603CT4N7□-□□	4.7 @ 250MHz	B, S	20	47	5800	0.130	700
SWI0603CT5N1□-□□	5.1 @ 250MHz	J, K	20	47	5700	0.140	700
SWI0603CT5N6□-□□	5.6 @ 250MHz	J, K	16	40	5500	0.150	700
SWI0603CT6N8□-□□	6.8 @ 250MHz	B, J, K	30	63	5800	0.110	700
SWI0603CT7N5□-□□	7.5 @ 250MHz	B, J, K	28	64	4800	0.106	700
SWI0603CT8N2□-□□	8.2 @ 250MHz	B, J, K	30	72	4600	0.100	700
SWI0603CT8N7□-□□	8.7 @ 250MHz	J, K	28	66	4600	0.109	700
SWI0603CT9N1□-□□	9.1 @ 250MHz	J, K	28	60	4000	0.135	700
SWI0603CT9N5□-□□	9.5 @ 250MHz	J, K	28	62	4500	0.135	700
SWI0603CT10N□-□□	10.0 @ 250MHz	G, J, K	30	66	3800	0.130	700
SWI0603CT11N□-□□	11.0 @ 250MHz	J, K	33	68	4000	0.090	700
SWI0603CT12N□-□□	12.0 @ 250MHz	G, J, K	35	72	4000	0.130	700
SWI0603CT13N□-□□	13.0 @ 250MHz	J, K	38	75	4000	0.106	700
SWI0603CT15N□-□□	15.0 @ 250MHz	G, J, K	35	68	4000	0.170	700
SWI0603CT16N□-□□	16.0 @ 250MHz	J, K	34	66	3300	0.170	700
SWI0603CT18N□-□□	18.0 @ 250MHz	G, J, K	38	77	3100	0.170	700
SWI0603CT20N□-□□	20.0 @ 250MHz	J, K	38	72	3000	0.220	700
SWI0603CT22N□-□□	22.0 @ 250MHz	G, J, K	38	70	3000	0.220	700
SWI0603CT24N□-□□	24.0 @ 250MHz	J, K	37	75	2650	0.135	700
SWI0603CT27N□-□□	27.0 @ 250MHz	G, J, K	40	75	2800	0.220	600
SWI0603CT30N□-□□	30.0 @ 250MHz	J, K	45	57	2300	0.220	600
SWI0603CT33N□-□□	33.0 @ 250MHz	G, J, K	43	78	2300	0.220	600
SWI0603CT36N□-□□	36.0 @ 250MHz	J, K	43	70	2200	0.250	600
SWI0603CT39N□-□□	39.0 @ 250MHz	G, J, K	43	66	2200	0.250	600
SWI0603CT43N□-□□	43.0 @ 250MHz	J, K	38	62	2000	0.280	600
SWI0603CT47N□-□□	47.0 @ 200MHz	G, J, K	40	65	2000	0.280	600
SWI0603CT51N□-□□	51.0 @ 200MHz	J, K	40	66	1900	0.310	600
SWI0603CT56N□-□□	56.0 @ 200MHz	G, J, K	40	66	1900	0.310	600
SWI0603CT62N□-□□	62.0 @ 200MHz	J, K	40	60	1700	0.340	600
SWI0603CT68N□-□□	68.0 @ 200MHz	G, J, K	40	57	1700	0.340	600
SWI0603CT72N□-□□	72.0 @ 150MHz	G, J, K	35	60	1700	0.490	400
SWI0603CT82N□-□□	82.0 @ 150MHz	G, J, K	35	58	1700	0.540	400
SWI0603CT90N□-□□	90.0 @ 150MHz	J, K	35	52	1700	0.540	400
SWI0603CTR10□-□□	100.0 @ 150MHz	G, J, K	35	51	1400	0.630	400
SWI0603CTR11□-□□	110.0 @ 150MHz	G, J, K	35	22	1400	0.630	400
SWI0603CTR12□-□□	120.0 @ 150MHz	G, J, K	35	45	1300	0.650	300
SWI0603CTR13□-□□	130.0 @ 150MHz	J, K	35	40	1000	0.920	280
SWI0603CTR15□-□□	150.0 @ 150MHz	G, J, K	35	33	1000	0.920	280
SWI0603CTR18□-□□	180.0 @ 100MHz	G, J, K	30	26	1000	1.250	240
SWI0603CTR20□-□□	200.0 @ 100MHz	J, K	30	23	1000	1.250	240
SWI0603CTR21□-□□	210.0 @ 100MHz	J, K	27	23	1000	1.700	200
SWI0603CTR22□-□□	220.0 @ 100MHz	G, J, K	30	23	1000	1.700	200
SWI0603CTR24□-□□	240.0 @ 100MHz	J, K	30	15	1000	1.700	200
SWI0603CTR27□-□□	270.0 @ 100MHz	G, J, K	30	10	1000	1.800	170
SWI0603CTR33□-□□	330.0 @ 100MHz	J, K	25	-	450	2.000	150
SWI0603CTR39□-□□	390.0 @ 100MHz	J, K	20	-	350	2.000	170

SWI0805 CT Series							
Part No.	Inductance[1] (nH)	Tolerance	Q[2] min.	SRF[3] (GHz) min.	RDC[4] (Ω) max.	IDC[5] (mA) max.	Marking
SWI0805CT2N2 □-□□	2.2 @ 250MHz	B, S	50 @ 1000MHz	6000	0.06	800	2N2
SWI0805CT2N7 □-□□	2.7 @ 250MHz	B, S	35 @ 1000MHz	6000	0.08	800	2N7
SWI0805CT3N3 □-□□	3.3 @ 250MHz	B, S	60 @ 1000MHz	6000	0.08	800	3N3
SWI0805CT3N9 □-□□	3.9 @ 250MHz	B, S	60 @ 1000MHz	6000	0.06	600	3N9
SWI0805CT4N7 □-□□	4.7 @ 250MHz	B, S	60 @ 1000MHz	5800	0.06	600	4N7
SWI0805CT5N1 □-□□	5.1 @ 250MHz	B, J, K	60 @ 1000MHz	5800	0.08	600	5N1
SWI0805CT5N6 □-□□	5.6 @ 250MHz	B, J, K	60 @ 1000MHz	5800	0.08	600	5N6
SWI0805CT6N8 □-□□	6.8 @ 250MHz	B, J, K	60 @ 1000MHz	5500	0.06	600	6N8
SWI0805CT8N2 □-□□	8.2 @ 250MHz	B, J, K	60 @ 1000MHz	5500	0.06	600	8N2
SWI0805CT10N □-□□	10.0 @ 250MHz	G, J, K	60 @ 500MHz	4800	0.08	600	10N
SWI0805CT12N □-□□	12.0 @ 250MHz	G, J, K	60 @ 500MHz	4100	0.08	600	12N
SWI0805CT15N □-□□	15.0 @ 250MHz	G, J, K	60 @ 500MHz	3600	0.08	600	15N
SWI0805CT18N □-□□	18.0 @ 250MHz	G, J, K	60 @ 500MHz	3400	0.08	600	18N
SWI0805CT22N □-□□	22.0 @ 250MHz	G, J, K	60 @ 500MHz	3300	0.10	600	22N
SWI0805CT27N □-□□	27.0 @ 250MHz	G, J, K	60 @ 500MHz	2600	0.12	600	27N
SWI0805CT33N □-□□	33.0 @ 250MHz	G, J, K	60 @ 500MHz	2400	0.15	500	33N
SWI0805CT39N □-□□	39.0 @ 250MHz	G, J, K	60 @ 500MHz	2100	0.18	500	39N
SWI0805CT47N □-□□	47.0 @ 200MHz	G, J, K	60 @ 500MHz	1700	0.15	500	47N
SWI0805CT56N □-□□	56.0 @ 200MHz	G, J, K	60 @ 500MHz	1600	0.25	500	56N
SWI0805CT68N □-□□	68.0 @ 200MHz	G, J, K	60 @ 500MHz	1450	0.27	500	68N
SWI0805CT82N □-□□	82.0 @ 150MHz	G, J, K	60 @ 500MHz	1350	0.32	500	82N
SWI0805CTR10 □-□□	100.0 @ 150MHz	G, J, K	60 @ 500MHz	1200	0.43	500	R10
SWI0805CTR11 □-□□	110.0 @ 150MHz	G, J, K	50 @ 250MHz	1100	0.48	500	R11
SWI0805CTR12 □-□□	120.0 @ 150MHz	G, J, K	50 @ 250MHz	1100	0.48	500	R12
SWI0805CTR13 □-□□	130.0 @ 100MHz	G, J, K	50 @ 250MHz	950	0.61	400	R13
SWI0805CTR15 □-□□	150.0 @ 100MHz	G, J, K	50 @ 250MHz	950	0.56	400	R15
SWI0805CTR18 □-□□	180.0 @ 100MHz	G, J, K	50 @ 250MHz	900	0.78	400	R18
SWI0805CTR22 □-□□	220.0 @ 100MHz	G, J, K	50 @ 250MHz	860	1.00	400	R22
SWI0805CTR24 □-□□	240.0 @ 100MHz	G, J, K	45 @ 250MHz	850	1.46	350	R24
SWI0805CTR27 □-□□	270.0 @ 100MHz	G, J, K	45 @ 250MHz	850	1.46	350	R27
SWI0805CTR30 □-□□	300.0 @ 100MHz	G, J, K	45 @ 250MHz	800	1.65	300	R30
SWI0805CTR33 □-□□	330.0 @ 100MHz	G, J, K	45 @ 250MHz	800	1.65	300	R33
SWI0805CTR39 □-□□	390.0 @ 100MHz	G, J, K	45 @ 250MHz	780	2.20	210	R39

SWI1008 CT Series							
DWG. No.	Inductance[1] (nH)	Tolerance	Q[2] min.	SRF[3] (MHz) min.	RDC[4] (Ω) max.	IDC[5] (mA) max.	Marking
SWI1008CT3N3 □-□□	3.3 @ 100MHz	B, S	50 @ 1000MHz	6000	0.06	1000	3N3
SWI1008CT6N8 □-□□	6.8 @ 100MHz	B, S	50 @ 1000MHz	5500	0.06	1000	6N8
SWI1008CT8N2 □-□□	8.2 @ 100MHz	B, S	50 @ 1000MHz	5500	0.06	1000	8N2
SWI1008CT10N □-□□	10.0 @ 100MHz	B, S	50 @ 1000MHz	4300	0.08	1000	10N
SWI1008CT12N □-□□	12.0 @ 100MHz	B, S	60 @ 500MHz	3600	0.08	1000	12N
SWI1008CT15N □-□□	15.0 @ 100MHz	B, J, K	60 @ 500MHz	2700	0.08	1000	15N
SWI1008CT18N □-□□	18.0 @ 100MHz	B, J, K	60 @ 350MHz	2700	0.10	1000	18N
SWI1008CT22N □-□□	22.0 @ 100MHz	B, J, K	60 @ 350MHz	2500	0.10	1000	22N
SWI1008CT27N □-□□	27.0 @ 100MHz	B, J, K	60 @ 350MHz	1800	0.10	1000	27N
SWI1008CT33N □-□□	33.0 @ 100MHz	G, J, K	60 @ 350MHz	1700	0.10	1000	33N
SWI1008CT39N □-□□	39.0 @ 100MHz	G, J, K	60 @ 350MHz	1500	0.10	1000	39N
SWI1008CT47N □-□□	47.0 @ 100MHz	G, J, K	60 @ 350MHz	1500	0.10	1000	47N
SWI1008CT56N □-□□	56.0 @ 100MHz	G, J, K	60 @ 350MHz	1350	0.12	1000	56N
SWI1008CT68N □-□□	68.0 @ 100MHz	G, J, K	60 @ 350MHz	1300	0.15	1000	68N
SWI1008CT82N □-□□	82.0 @ 100MHz	G, J, K	60 @ 350MHz	1100	0.18	1000	82N
SWI1008CTR10 □-□□	100.0 @ 100MHz	G, J, K	60 @ 350MHz	1100	0.18	1000	R10
SWI1008CTR12 □-□□	120.0 @ 25.2MHz	G, J, K	45 @ 100MHz	950	0.20	800	R12
SWI1008CTR15 □-□□	150.0 @ 25.2MHz	G, J, K	45 @ 100MHz	880	0.22	800	R15
SWI1008CTR18 □-□□	180.0 @ 25.2MHz	G, J, K	45 @ 100MHz	800	0.33	800	R18
SWI1008CTR22 □-□□	220.0 @ 25.2MHz	G, J, K	45 @ 100MHz	730	0.45	800	R22
SWI1008CTR27 □-□□	270.0 @ 25.2MHz	G, J, K	45 @ 100MHz	650	0.75	600	R27
SWI1008CTR29 □-□□	290.0 @ 25.2MHz	G, J, K	45 @ 100MHz	600	0.60	600	-
SWI1008CTR33 □-□□	330.0 @ 25.2MHz	G, J, K	45 @ 100MHz	570	0.90	500	R33
SWI1008CTR39 □-□□	390.0 @ 25.2MHz	G, J, K	45 @ 100MHz	530	1.06	470	R39
SWI1008CTR47 □-□□	470.0 @ 25.2MHz	G, J, K	45 @ 100MHz	480	1.17	420	R47
SWI1008CTR56 □-□□	560.0@ 25.2MHz	G, J, K	45 @ 100MHz	430	1.50	310	R56
SWI1008CTR68 □-□□	680.0 @ 25.2MHz	G, J, K	45 @ 100MHz	380	2.06	230	R68
SWI1008CTR75 □-□□	750.0 @ 25.2MHz	G, J, K	45 @ 100MHz	360	2.20	200	R75
SWI1008CTR82 □-□□	820.0 @ 25.2MHz	G, J, K	45 @ 100MHz	350	2.30	180	R82
SWI1008CTR91 □-□□	910.0 @ 25.2MHz	G, J, K	45 @ 100MHz	330	3.18	150	R91
SWI1008CT1R0 □-□□	1000.0 @ 25.2MHz	G, J, K	35 @ 50MHz	310	3.30	120	1R0

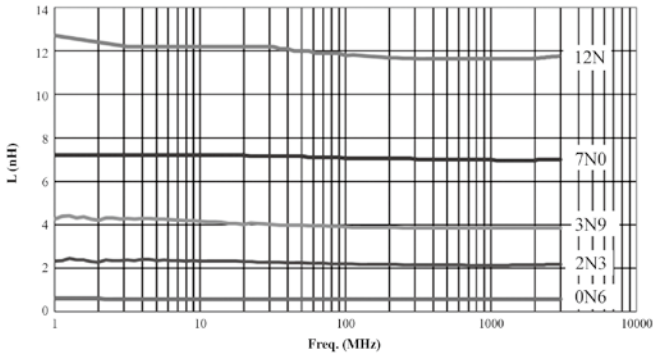
SWI1210 CT Series							
DWG. No.	Inductance[1] (nH)	Tolerance	Q[2] min.	SRF[3] (MHz) min.	RDC[4] (Ω) max.	IDC[5] (mA) max.	Marking
SWI1210CT4N7□-□□	4.7 @ 100MHz	B, S	50 @1000MHz	6000	0.06	1000	4N7
SWI1210CT5N6□-□□	5.6 @ 100MHz	B, J, K	50 @1000MHz	5500	0.08	1000	5N6
SWI1210CT10N□-□□	10 @ 100MHz	G, J, K	60 @ 500MHz	4000	0.06	1000	10N
SWI1210CT12N□-□□	12 @ 100MHz	G, J, K	60 @ 500MHz	3400	0.06	1000	12N
SWI1210CT15N□-□□	15 @ 100MHz	G, J, K	60 @ 500MHz	3200	0.06	1000	15N
SWI1210CT18N□-□□	18 @ 100MHz	G, J, K	60 @ 300MHz	2800	0.06	1000	18N
SWI1210CT22N□-□□	22 @ 100MHz	G, J, K	60 @ 300MHz	2100	0.08	1000	22N
SWI1210CT27N□-□□	27 @ 100MHz	G, J, K	60 @ 300MHz	1900	0.08	1000	27N
SWI1210CT33N□-□□	33 @ 100MHz	G, J, K	60 @ 300MHz	1700	0.08	1000	33N
SWI1210CT39N□-□□	39 @ 100MHz	G, J, K	60 @ 300MHz	1700	0.08	1000	39N
SWI1210CT47N□-□□	47 @ 100MHz	G, J, K	60 @ 300MHz	1400	0.08	1000	47N
SWI1210CT56N□-□□	56 @ 100MHz	G, J, K	60 @ 300MHz	1100	0.10	1000	56N
SWI1210CT68N□-□□	68 @ 100MHz	G, J, K	60 @ 300MHz	1000	0.10	1000	68N
SWI1210CT82N□-□□	82 @ 100MHz	G, J, K	60 @ 300MHz	1000	0.10	1000	82N
SWI1210CTR10□-□□	100 @ 100MHz	G, J, K	60 @ 300MHz	900	0.10	1000	R10
SWI1210CTR12□-□□	120 @ 50MHz	G, J, K	60 @ 300MHz	900	0.12	800	R12
SWI1210CTR15□-□□	150 @ 50MHz	G, J, K	60 @ 300MHz	800	0.18	800	R15
SWI1210CTR18□-□□	180 @ 50MHz	G, J, K	60 @ 300MHz	760	0.21	800	R18
SWI1210CTR22□-□□	220 @ 50MHz	G, J, K	60 @ 300MHz	660	0.27	800	R22
SWI1210CTR27□-□□	270 @ 50MHz	G, J, K	50 @ 300MHz	600	0.33	700	R27
SWI1210CTR33□-□□	330 @ 50MHz	G, J, K	50 @ 100MHz	550	0.37	650	R33
SWI1210CTR39□-□□	390 @ 50MHz	G, J, K	50 @ 100MHz	500	0.63	600	R39
SWI1210CTR47□-□□	470 @ 50MHz	G, J, K	50 @ 100MHz	450	0.69	550	R47
SWI1210CTR56□-□□	560 @ 50MHz	G, J, K	50 @ 100MHz	400	0.90	450	R56
SWI1210CTR68□-□□	680 @ 25MHz	G, J, K	50 @ 100MHz	380	1.05	400	R68
SWI1210CTR82□-□□	820 @ 25MHz	G, J, K	50 @ 100MHz	350	1.45	350	R82
SWI1210CT1R0□-□□	1000 @ 25MHz	G, J, K	45 @ 100MHz	300	1.90	280	1R0
SWI1210CT1R2□-□□	1200 @ 7.96MHz	J, K	45 @ 50MHz	300	2.20	250	1R2
SWI1210CT1R5□-□□	1500 @ 7.96MHz	J, K	45 @ 50MHz	250	2.43	220	1R5
SWI1210CT1R8□-□□	1800 @ 7.96MHz	J, K	45 @ 50MHz	200	3.36	180	1R8
SWI1210CT2R2□-□□	2200 @ 7.96MHz	J, K	40 @ 50MHz	200	3.50	150	2R2

Tolerance: B=±0.2nH S=±0.3nH G=±2% J=±5% K=±10%

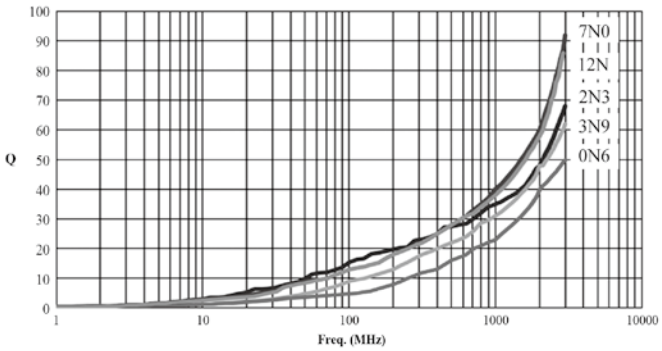
1. Inductance is measured in HP-4287A RF LCR meter with HP-16193 fixture.
2. Q is measured in HP-4287A RF LCR meter with HP-16193 fixture.
3. SRF is measured in ENA E5071B network analyzer or equivalent.
4. RDC is measured in HP-4338B milliohm meter or equivalent.
5. For 15 °C Rise.

SWI0201 CT Series

L vs Freq Plot

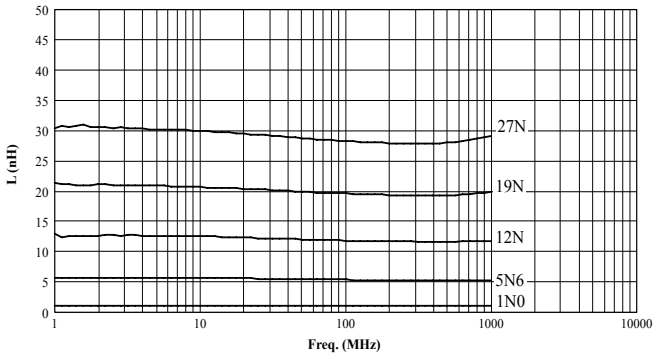


Q vs Freq Plot

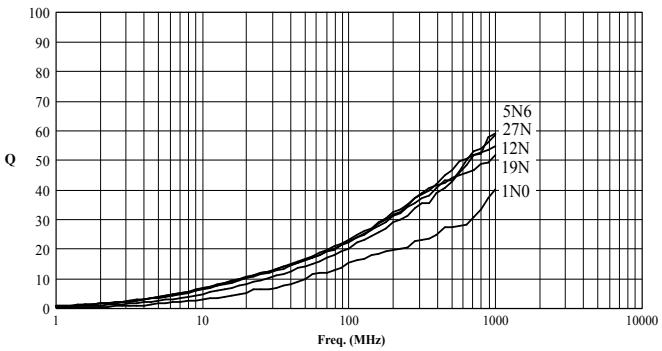


SWI0402 CT Series

L vs Freq Plot

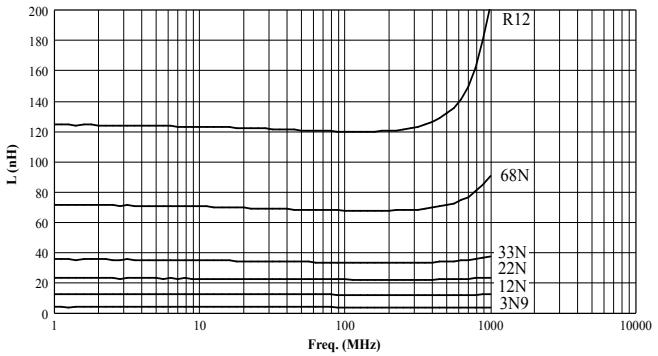


Q vs Freq Plot

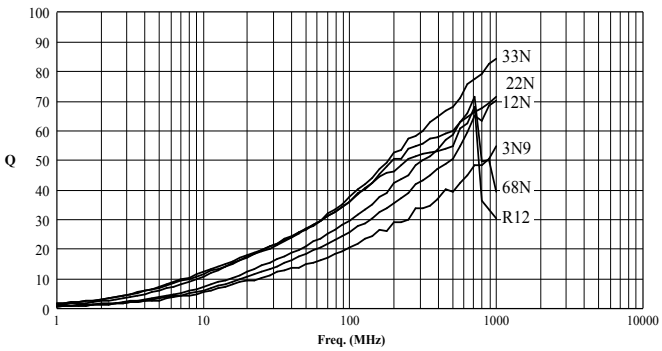


SWI0603 CT Series

L vs Freq Plot



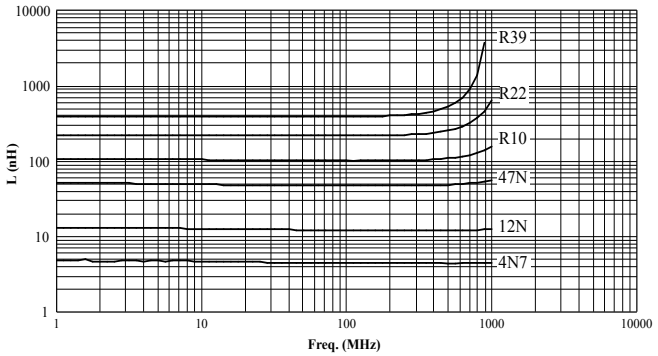
Q vs Freq Plot



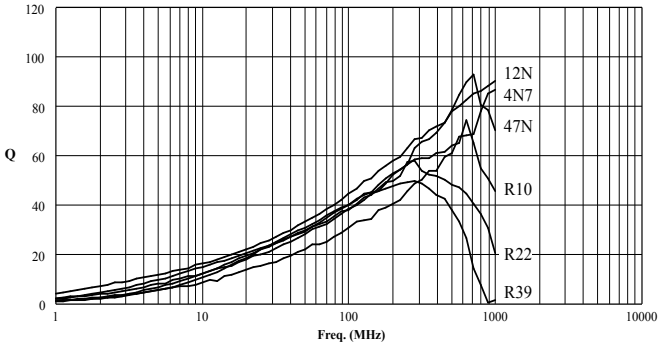
• All specifications are subject to change without notice.

SWI0805 CT Series

L vs Freq Plot

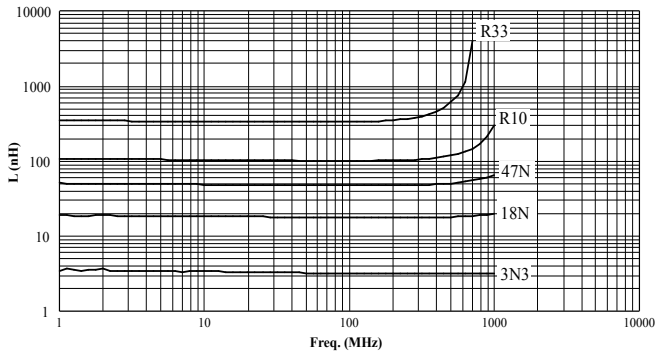


Q vs Freq Plot

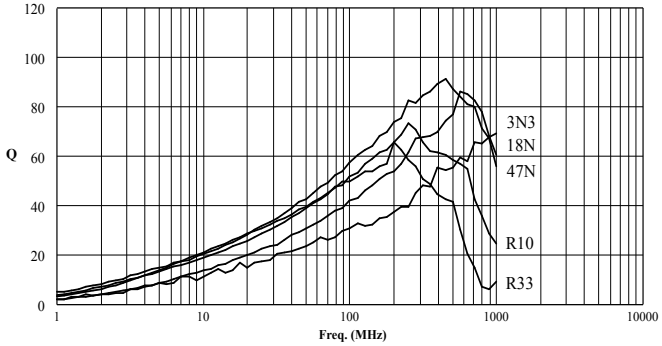


SWI1008 CT Series

L vs Freq Plot

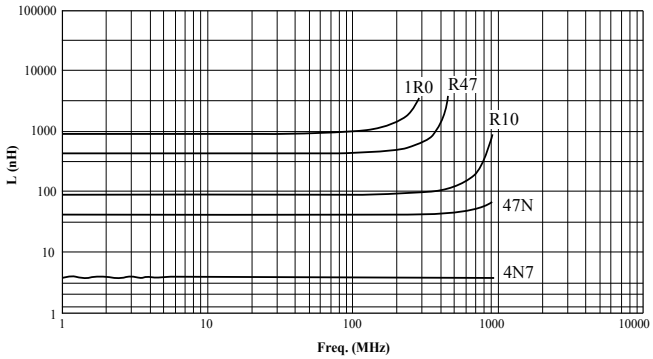


Q vs Freq Plot

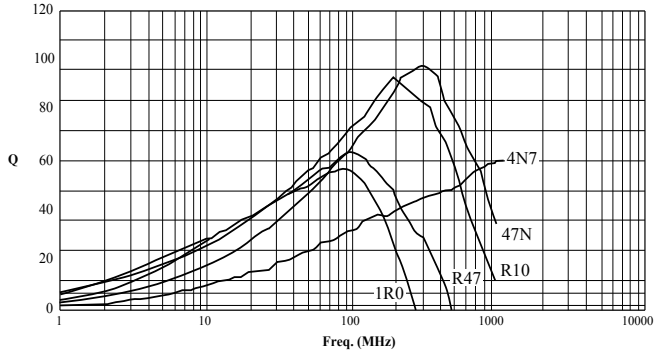


SWI1210 CT Series

L vs Freq Plot



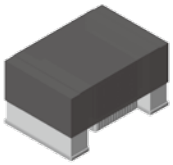
Q vs Freq Plot

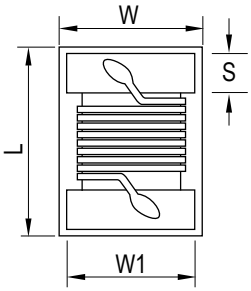


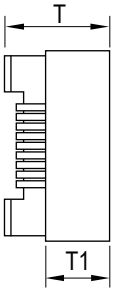
SWI SERIES

0402 / 0603 HP

High Current







Unit: mm

Series	L	W	T	S	W1	T1
SWI0402	1.00±0.10	0.55±0.10	0.50±0.10	0.20±0.10	0.50 ref.	0.20 ref.
SWI0603	1.80 max.	1.12 max.	1.02 max.	0.36±0.10	0.76 ref.	0.50 ref.

Features

- High Self Resonate Frequency
- Better Q factor
- Tight tolerance ± 0,2nH, 2% Available
- High Current
- Operating temp.: -40°C ~ +125°C
  (including self-temperature rise)

compliant RoHS

RoHS & HF compliant

Application

- Metaverse application
- RF circuits

SWI0402 HP Series						
Part No.	Inductance[1] (nH)	Tolerance	Q[2] min.	SRF[3] (GHz) min.	RDC[4] (Ω) max.	IDC[5] (mA) max.
SWI0402HP2N0□-□□	2.0 @ 250MHz	B, S	22 @ 250MHz	8500	0.038	2100
SWI0402HP2N2□-□□	2.2 @ 250MHz	B, S	22 @ 250MHz	8500	0.038	2100
SWI0402HP2N7□-□□	2.7 @ 250MHz	B, S	22 @ 250MHz	8500	0.056	1500
SWI0402HP3N3□-□□	3.3 @ 250MHz	B, J, K	23 @ 250MHz	8500	0.045	1700
SWI0402HP3N6□-□□	3.6 @ 250MHz	B, J, K	23 @ 250MHz	8500	0.045	1700
SWI0402HP3N9□-□□	3.9 @ 250MHz	B, J, K	23 @ 250MHz	8500	0.045	1700
SWI0402HP4N3□-□□	4.3 @ 250MHz	B, J, K	22 @ 250MHz	7150	0.055	1500
SWI0402HP4N7□-□□	4.7 @ 250MHz	B, J, K	20 @ 250MHz	6850	0.075	1400
SWI0402HP5N1□-□□	5.1 @ 250MHz	B, J, K	23 @ 250MHz	6800	0.085	1300
SWI0402HP5N6□-□□	5.6 @ 250MHz	B, J, K	23 @ 250MHz	6500	0.055	1500
SWI0402HP6N2□-□□	6.2 @ 250MHz	B, J, K	25 @ 250MHz	5800	0.065	1400
SWI0402HP6N8□-□□	6.8 @ 250MHz	B, J, K	25 @ 250MHz	5800	0.065	1400
SWI0402HP7N5□-□□	7.5 @ 250MHz	B, J, K	25 @ 250MHz	5400	0.080	1400
SWI0402HP8N2□-□□	8.2 @ 250MHz	B, J, K	25 @ 250MHz	5400	0.085	1300
SWI0402HP8N7□-□□	8.7 @ 250MHz	B, J, K	25 @ 250MHz	5000	0.085	1300
SWI0402HP9N0□-□□	9.0 @ 250MHz	B, J, K	25 @ 250MHz	5000	0.085	1300
SWI0402HP9N5□-□□	9.5 @ 250MHz	B, J, K	25 @ 250MHz	4700	0.095	1200
SWI0402HP10N□-□□	10.0 @ 250MHz	G, J, K	25 @ 250MHz	4700	0.085	1300
SWI0402HP11N□-□□	11.0 @ 250MHz	G, J, K	25 @ 250MHz	4700	0.090	1300
SWI0402HP12N□-□□	12.0 @ 250MHz	G, J, K	26 @ 250MHz	4400	0.090	1100
SWI0402HP13N□-□□	13.0 @ 250MHz	G, J, K	25 @ 250MHz	4200	0.140	900
SWI0402HP15N□-□□	15.0 @ 250MHz	G, J, K	26 @ 250MHz	3900	0.130	1000
SWI0402HP16N□-□□	16.0 @ 250MHz	G, J, K	26 @ 250MHz	3700	0.130	850
SWI0402HP18N□-□□	18.0 @ 250MHz	G, J, K	26 @ 250MHz	3550	0.140	850
SWI0402HP19N□-□□	19.0 @ 250MHz	G, J, K	26 @ 250MHz	3500	0.145	850
SWI0402HP20N□-□□	20.0 @ 250MHz	G, J, K	26 @ 250MHz	3500	0.155	800
SWI0402HP21N□-□□	21.0 @ 250MHz	G, J, K	26 @ 250MHz	3300	0.160	800
SWI0402HP22N□-□□	22.0 @ 250MHz	G, J, K	26 @ 250MHz	3300	0.160	800
SWI0402HP23N□-□□	23.0 @ 250MHz	G, J, K	26 @ 250MHz	3300	0.190	700
SWI0402HP24N□-□□	24.0 @ 250MHz	G, J, K	26 @ 250MHz	3150	0.180	650
SWI0402HP25N□-□□	25.0 @ 250MHz	G, J, K	25 @ 250MHz	3150	0.180	650
SWI0402HP26N□-□□	26.0 @ 250MHz	G, J, K	25 @ 250MHz	3150	0.170	700
SWI0402HP27N□-□□	27.0 @ 250MHz	G, J, K	26 @ 250MHz	3200	0.220	600
SWI0402HP30N□-□□	30.0 @ 250MHz	G, J, K	25 @ 250MHz	2900	0.275	500
SWI0402HP33N□-□□	33.0 @ 250MHz	G, J, K	25 @ 250MHz	2800	0.320	490
SWI0402HP36N□-□□	36.0 @ 250MHz	G, J, K	26 @ 250MHz	2800	0.360	480
SWI0402HP37N□-□□	37.0 @ 250MHz	G, J, K	25 @ 250MHz	2700	0.430	470
SWI0402HP39N□-□□	39.0 @ 250MHz	G, J, K	25 @ 250MHz	2600	0.430	450
SWI0402HP40N□-□□	40.0 @ 250MHz	G, J, K	26 @ 250MHz	2600	0.430	450
SWI0402HP43N□-□□	43.0 @ 250MHz	G, J, K	26 @ 250MHz	2500	0.500	450
SWI0402HP47N□-□□	47.0 @ 200MHz	G, J, K	22 @ 200MHz	2400	0.550	420
SWI0402HP51N□-□□	51.0 @ 200MHz	J, K	22 @ 200MHz	2300	0.750	360
SWI0402HP56N□-□□	56.0 @ 200MHz	J, K	22 @ 200MHz	2070	0.850	330
SWI0402HP68N□-□□	68.0 @ 200MHz	J, K	22 @ 200MHz	1840	0.950	320

SWI0603 HP Series								
DWG. No.	Inductance[1] (nH)	Tolerance	Q[2] min.	Q (typ) @ 250MHz	Q (typ) @ 900MHz	SRF[3] (MHz) min.	RDC[4] (Ω) max.	IDC[5] (mA) max.
SWI0603HP1N7☐-☐☐	1.7 @ 250MHz	B, S	24 @ 250MHz	31	50	8500	0.033	2100
SWI0603HP2N2☐-☐☐	2.2 @ 250MHz	B, S	13 @ 250MHz	15	27	7000	0.150	900
SWI0603HP3N3☐-☐☐	3.3 @ 250MHz	B, S	35 @ 250MHz	37	64	6900	0.035	1700
SWI0603HP3N6☐-☐☐	3.6 @ 250MHz	B, S	35 @ 250MHz	42	67	6900	0.035	1700
SWI0603HP3N9☐-☐☐	3.9 @ 250MHz	B, S	30 @ 250MHz	39	62	6900	0.039	1600
SWI0603HP4N3☐-☐☐	4.3 @ 250MHz	B, S	30 @ 250MHz	40	64	6000	0.045	1500
SWI0603HP4N7☐-☐☐	4.7 @ 250MHz	B, S	22 @ 250MHz	29	50	5800	0.090	1100
SWI0603HP5N1☐-☐☐	5.1 @ 250MHz	B, J, K	20 @ 250MHz	27	46	5700	0.108	1000
SWI0603HP6N2☐-☐☐	6.2 @ 250MHz	B, J, K	35 @ 250MHz	44	68	5800	0.050	1400
SWI0603HP6N8☐-☐☐	6.8 @ 250MHz	B, J, K	35 @ 250MHz	50	79	5800	0.050	1400
SWI0603HP7N2☐-☐☐	7.2 @ 250MHz	B, J, K	35 @ 250MHz	47	71	4800	0.052	1400
SWI0603HP7N5☐-☐☐	7.5 @ 250MHz	B, J, K	35 @ 250MHz	46	74	4800	0.070	1300
SWI0603HP8N2☐-☐☐	8.2 @ 250MHz	B, J, K	35 @ 250MHz	45	69	4300	0.054	1400
SWI0603HP8N7☐-☐☐	8.7 @ 250MHz	B, J, K	30 @ 250MHz	38	61	4600	0.100	1000
SWI0603HP9N1☐-☐☐	9.1 @ 250MHz	J, K	28 @ 250MHz	35	57	4300	0.108	1000
SWI0603HP9N5☐-☐☐	9.5 @ 250MHz	J, K	35 @ 250MHz	50	76	5000	0.060	1350
SWI0603HP10N☐-☐☐	10.0 @ 250MHz	G, J, K	35 @ 250MHz	50	82	4800	0.060	1350
SWI0603HP11N☐-☐☐	11.0 @ 250MHz	G, J, K	35 @ 250MHz	54	82	4200	0.060	1350
SWI0603HP12N☐-☐☐	12.0 @ 250MHz	G, J, K	35 @ 250MHz	52	80	4000	0.078	1200
SWI0603HP15N☐-☐☐	15.0 @ 250MHz	G, J, K	38 @ 250MHz	54	83	4000	0.085	1100
SWI0603HP16N☐-☐☐	16.0 @ 250MHz	G, J, K	38 @ 250MHz	53	78	3300	0.085	1100
SWI0603HP18N☐-☐☐	18.0 @ 250MHz	G, J, K	38 @ 250MHz	51	71	3100	0.078	1200
SWI0603HP22N☐-☐☐	22.0 @ 250MHz	G, J, K	40 @ 250MHz	55	75	3000	0.120	950
SWI0603HP23N☐-☐☐	23.0 @ 250MHz	G, J, K	40 @ 250MHz	55	75	2850	0.120	950
SWI0603HP24N☐-☐☐	24.0 @ 250MHz	G, J, K	40 @ 250MHz	50	66	2650	0.080	1100
SWI0603HP27N☐-☐☐	27.0 @ 250MHz	J, K	40 @ 250MHz	53	68	2800	0.125	950
SWI0603HP30N☐-☐☐	30.0 @ 250MHz	G, J, K	40 @ 250MHz	55	66	2400	0.130	920
SWI0603HP33N☐-☐☐	33.0 @ 250MHz	G, J, K	40 @ 250MHz	51	55	2300	0.170	680
SWI0603HP36N☐-☐☐	36.0 @ 250MHz	G, J, K	40 @ 250MHz	55	63	2300	0.150	750
SWI0603HP39N☐-☐☐	39.0 @ 250MHz	G, J, K	40 @ 250MHz	55	58	2200	0.180	680
SWI0603HP43N☐-☐☐	43.0 @ 250MHz	G, J, K	40 @ 250MHz	52	53	2100	0.170	810
SWI0603HP47N☐-☐☐	47.0 @ 200MHz	G, J, K	38 @ 200MHz	51	50	2000	0.200	680
SWI0603HP51N☐-☐☐	51.0 @ 200MHz	G, J, K	38 @ 200MHz	50	46	1900	0.250	660
SWI0603HP56N☐-☐☐	56.0 @ 200MHz	G, J, K	38 @ 200MHz	53	46	1900	0.230	700
SWI0603HP68N☐-☐☐	68.0 @ 200MHz	G, J, K	38 @ 200MHz	50	39	1700	0.280	650
SWI0603HP72N☐-☐☐	72.0 @ 150MHz	G, J, K	34 @ 150MHz	50	38	1700	0.350	580
SWI0603HP75N☐-☐☐	75.0 @ 150MHz	G, J, K	34 @ 150MHz	46	35	1700	0.420	550
SWI0603HP82N☐-☐☐	82.0 @ 150MHz	G, J, K	34 @ 150MHz	51	36	1600	0.460	510
SWI0603HP91N☐-☐☐	91.0 @ 150MHz	G, J, K	34 @ 150MHz	48	33	1500	0.420	550
SWI0603HPR10☐-☐☐	100.0 @ 150MHz	G, J, K	34 @ 150MHz	52	32	1400	0.540	470
SWI0603HPR11☐-☐☐	110.0 @ 150MHz	G, J, K	33 @ 150MHz	46	29	1350	0.540	470
SWI0603HPR12☐-☐☐	120.0 @ 150MHz	G, J, K	33 @ 150MHz	50	33	1300	0.650	420
SWI0603HPR15☐-☐☐	150.0 @ 150MHz	G, J, K	30 @ 150MHz	46	22	1150	0.820	390
SWI0603HPR18☐-☐☐	180.0 @ 100MHz	G, J, K	28 @ 100MHz	48	20	1050	1.200	320
SWI0603HPR20☐-☐☐	200.0 @ 100MHz	G, J, K	28 @ 100MHz	45	10	1000	1.300	310
SWI0603HPR21☐-☐☐	210.0 @ 100MHz	G, J, K	28 @ 100MHz	48	12	1000	1.900	280
SWI0603HPR22☐-☐☐	220.0 @ 100MHz	G, J, K	28 @ 100MHz	47	16	950	1.900	280
SWI0603HPR25☐-☐☐	250.0 @ 100MHz	G, J, K	28 @ 100MHz	46	-	900	2.000	260
SWI0603HPR27☐-☐☐	270.0 @ 100MHz	G, J, K	28 @ 100MHz	48	-	900	2.200	260
SWI0603HPR30☐-☐☐	300.0 @ 100MHz	G, J, K	28 @ 100MHz	44	-	780	2.700	220

• All specifications are subject to change without notice.

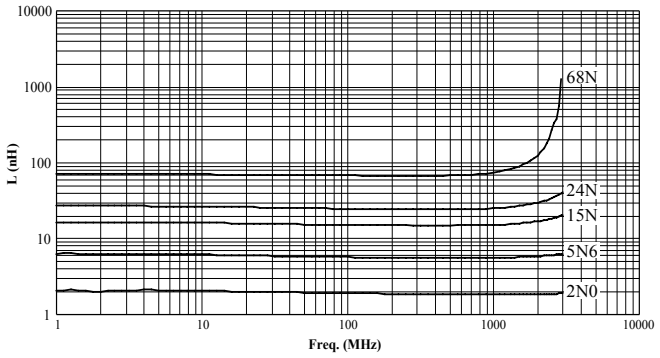
SWI0603 HP Series								
DWG. No.	Inductance[1] (nH)	Tolerance	Q[2] min.	Q (typ) @ 250MHz	Q (typ) @ 900MHz	SRF[3] (MHz) min.	RDC[4] (Ω) max.	IDC[5] (mA) max.
SWI0603HPR33□-□□	330.0 @ 100MHz	G, J, K	28 @ 100MHz	43	-	750	2.900	200
SWI0603HPR36□-□□	360.0 @ 100MHz	G, J, K	28 @ 100MHz	45	-	720	3.800	180
SWI0603HPR39□-□□	390.0 @ 100MHz	G, J, K	28 @ 100MHz	43	-	700	3.800	180

Tolerance: B=±0.2nH S=±0.3nH G=±2% J=±5% K=±10%

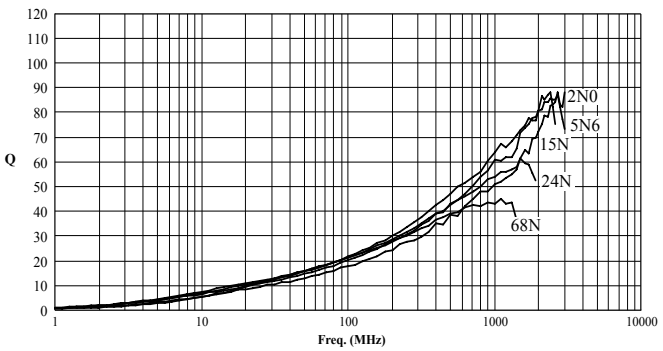
1. Inductance is measured in HP-4287A RF LCR meter with HP-16193 fixture.
2. Q is measured in HP-4287A RF LCR meter with HP-16193 fixture.
3. SRF is measured in ENA E5071B network analyzer or equivalent.
4. RDC is measured in HP-4338B milliohm meter or equivalent.
5. For 25 °C Rise.

SWI0402 HP Series

L vs Freq Plot

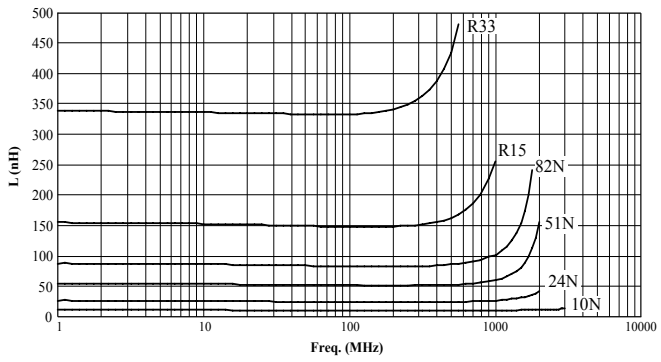


Q vs Freq Plot

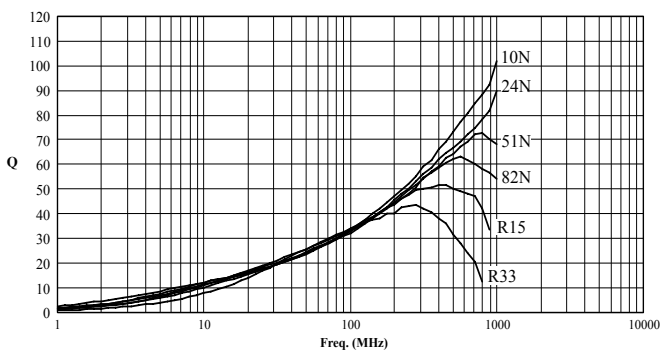


SWI0603 HP Series

L vs Freq Plot

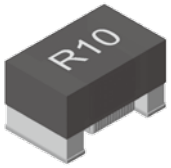


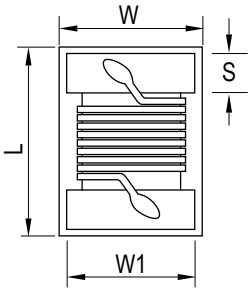
Q vs Freq Plot



SWI SERIES 1008 HQ

High Q





Unit: mm

Series	L	W	T	S	T1
SWI1008	2.60±0.20	2.10±0.20	1.70±0.20	0.50±0.10	0.70 ref.

Features

- Low DCR
- High Handling current
- Tolerance 2%
- Operating temp.: -40°C ~ +125°C (including self-temperature rise)

Application

- Metaverse application
- RF circuits

SWI1008 HQ Series							
DWG. No.	Inductance[1] (nH)	Tolerance	Q[2] min.	SRF[3] (MHz) min.	RDC[4] (Ω) max.	IDC[5] (mA) max.	Marking
SWI1008HQ3N0□-□□	3.0 @ 50MHz	J, K	70 @ 1500MHz	8100	0.04	1600	3N0
SWI1008HQ7N8□-□□	7.8 @ 50MHz	J, K	75 @ 1500MHz	3800	0.05	1600	7N8
SWI1008HQ10N□-□□	10.0 @ 50MHz	J, K	60 @ 500MHz	3600	0.08	1300	10N
SWI1008HQ12N□-□□	12.0 @ 50MHz	G, J, K	70 @ 500MHz	2800	0.06	1500	12N
SWI1008HQ18N□-□□	18.0 @ 50MHz	G, J, K	62 @ 350MHz	2700	0.08	1400	18N
SWI1008HQ22N□-□□	22.0 @ 50MHz	G, J, K	62 @ 350MHz	2050	0.07	1400	22N
SWI1008HQ33N□-□□	33.0 @ 50MHz	G, J, K	75 @ 350MHz	1700	0.09	1300	33N
SWI1008HQ39N□-□□	39.0 @ 50MHz	G, J, K	75 @ 350MHz	1300	0.09	1300	39N
SWI1008HQ47N□-□□	47.0 @ 50MHz	G, J, K	75 @ 350MHz	1450	0.12	1200	47N
SWI1008HQ56N□-□□	56.0 @ 50MHz	G, J, K	75 @ 350MHz	1230	0.12	1200	56N
SWI1008HQ68N□-□□	68.0 @ 50MHz	G, J, K	80 @ 350MHz	1150	0.13	1000	68N
SWI1008HQ82N□-□□	82.0 @ 50MHz	G, J, K	80 @ 350MHz	1060	0.16	1000	82N
SWI1008HQR10□-□□	100.0 @ 50MHz	G, J, K	62 @ 350MHz	820	0.16	1000	R10

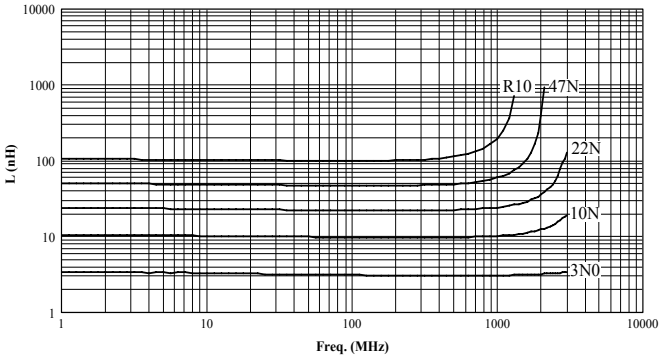
Tolerance: B=±0.2nH S=±0.3nH G=±2% J=±5% K=±10%

1. Inductance is measured in HP-4287A RF LCR meter with HP-16193 fixture.
2. Q is measured in HP-4287A RF LCR meter with HP-16193 fixture.
3. SRF is measured in ENA E5071B network analyzer or equivalent.
4. RDC is measured in HP-4338B milliohm meter or equivalent.
5. For 15°C Rise.

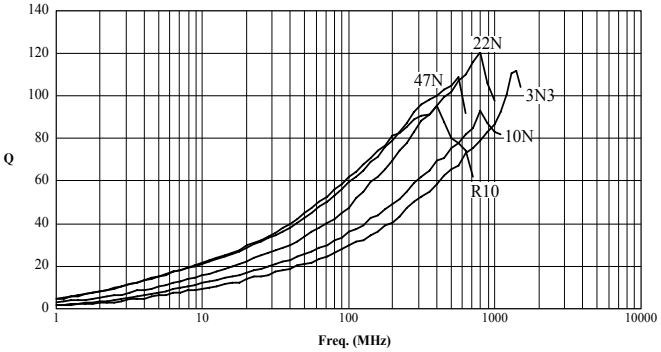
Unit weight = 0.025g (for ref.)

SWI1008 HQ Series

L vs Freq Plot



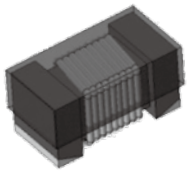
Q vs Freq Plot

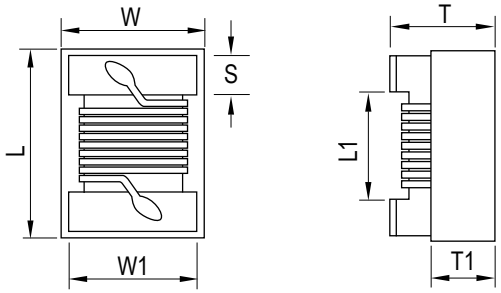


SWI SERIES

0603 / 0805 / 1008 / 1210 FT

Standard





Unit: mm

Series	L	W	T	S	L1	W1	T1
SWI0603	1.65±0.20	1.10±0.20	0.90±0.20	0.33ref.	0.85 ref.	0.90 ref.	0.50 ref.
SWI0805	2.00±0.20	1.25±0.20	1.20±0.20	0.40±0.10	1.20 ref.	0.95~1.2 ref.	0.60 ref.
SWI1008	2.60±0.20	2.10±0.20	1.70±0.20	0.50±0.10	1.40 ref.	1.60~1.9 ref.	0.70 ref.
SWI1210	3.20±0.20	2.60±0.20	2.10±0.20	0.50±0.10	2.10 ref.	2.40 ref.	1.10 ref.

Features

- Higher Inductance Available
- 5% inductance tolerance for all values
- High Handling current
- Ferrite construction
- Operating temp.: -40°C ~ +85°C (including self-temperature rise)

compliant RoHS

RoHS & HF compliant

Application

- Metaverse application
- Electronic devices
- Industrial equipment

SWI0603 FT Series						
DWG. No.	Inductance[1] (nH)	Tolerance	Q[2] typ.	SRF[3] (MHz) typ.	RDC[4] (Ω) max.	IDC[5] (mA) max.
SWI0603FT 39N □-□□	39 @ 7.9 MHz	J, K	13 @ 7.9MHz	2200	0.050	1700
SWI0603FT 68N □-□□	68 @ 7.9 MHz	J, K	15 @ 7.9MHz	1500	0.080	1500
SWI0603FT R11 □-□□	110 @ 7.9 MHz	J, K	15 @ 7.9MHz	1230	0.100	1000
SWI0603FT R15 □-□□	150 @ 7.9 MHz	J, K	15 @ 7.9MHz	1050	0.093	900
SWI0603FT R20 □-□□	200 @ 7.9 MHz	J, K	15 @ 7.9MHz	880	0.115	900
SWI0603FT R24 □-□□	240 @ 7.9 MHz	J, K	15 @ 7.9MHz	900	0.120	850
SWI0603FT R27 □-□□	270 @ 7.9 MHz	J, K	15 @ 7.9MHz	750	0.220	680
SWI0603FT R36 □-□□	360 @ 7.9 MHz	J, K	15 @ 7.9MHz	700	0.210	650
SWI0603FT R39 □-□□	390 @ 7.9 MHz	J, K	15 @ 7.9MHz	700	0.300	640
SWI0603FT R42 □-□□	420 @ 7.9 MHz	J, K	11 @ 7.9MHz	685	0.330	610
SWI0603FT R47 □-□□	470 @ 7.9 MHz	J, K	15 @ 7.9MHz	575	0.370	610
SWI0603FT R56 □-□□	560 @ 7.9 MHz	J, K	16 @ 7.9MHz	515	0.490	530
SWI0603FT R60 □-□□	600 @ 7.9 MHz	J, K	16 @ 7.9MHz	540	0.552	510
SWI0603FT R68 □-□□	680 @ 7.9 MHz	J, K	16 @ 7.9MHz	530	0.460	490
SWI0603FT R82 □-□□	820 @ 7.9 MHz	J, K	16 @ 7.9MHz	325	0.580	420
SWI0603FT 1R0 □-□□	1000 @ 7.9 MHz	J, K	15 @ 7.9MHz	400	0.840	400
SWI0603FT 1R5 □-□□	1500 @ 7.9 MHz	J, K	17 @ 7.9MHz	330	1.300	280
SWI0603FT 2R2 □-□□	2200 @ 7.9 MHz	J, K	16 @ 7.9MHz	85	1.100	320
SWI0603FT 3R3 □-□□	3300 @ 7.9 MHz	J, K	16 @ 7.9MHz	41	1.400	260
SWI0603FT 4R7 □-□□	4700 @ 7.9 MHz	J, K	16 @ 7.9MHz	56	1.500	260
SWI0603FT 5R6 □-□□	5600 @ 7.9 MHz	J, K	16 @ 7.9MHz	45	1.210	250
SWI0603FT 6R8 □-□□	6800 @ 7.9 MHz	J, K	16 @ 7.9MHz	45	1.970	200
SWI0603FT 8R2 □-□□	8200 @ 7.9 MHz	J, K	16 @ 7.9MHz	33	2.250	180
SWI0603FT 100 □-□□	10000 @ 2.5 MHz	J, K	12 @ 2.5MHz	30	2.360	180
SWI0603FT 150 □-□□	15000 @ 2.5 MHz	J, K	12 @ 2.5MHz	18	5.040	170
SWI0603FT 220 □-□□	22000 @ 2.5 MHz	J, K	12 @ 2.5MHz	13	6.180	150

SWI0805 FT Series							
DWG. No.	Inductance[1] (µH)	Tolerance	Q[2] min.	SRF[3] (MHz) min.	RDC[4] (Ω) max.	IDC[5] (mA) max.	Marking
SWI0805FTR47□-□□	0.47 @ 25.2 MHz	J, K	45 @ 100MHz	375	0.95	500	R47
SWI0805FTR51□-□□	0.51 @ 25.2 MHz	J, K	45 @ 100MHz	375	0.95	500	R51
SWI0805FTR56□-□□	0.56 @ 25.2 MHz	J, K	45 @ 100MHz	340	1.10	450	R56
SWI0805FTR62□-□□	0.62 @ 25.2 MHz	J, K	35 @ 100MHz	188	1.20	400	R62
SWI0805FTR68□-□□	0.68 @ 25.2 MHz	J, K	35 @ 100MHz	188	1.20	400	R68
SWI0805FTR82□-□□	0.82 @ 25.2 MHz	J, K	35 @ 100MHz	215	1.50	300	R82
SWI0805FT1R0□-□□	1.00 @ 25.2 MHz	J, K	35 @ 50MHz	200	2.13	180	1R0
SWI0805FT1R2□-□□	1.20 @ 7.96 MHz	J, K	15 @ 7.96MHz	200	2.60	150	1R2
SWI0805FT1R5□-□□	1.50 @ 7.96 MHz	J, K	15 @ 7.96MHz	200	2.90	130	1R5
SWI0805FT1R8□-□□	1.80 @ 7.96 MHz	J, K	15 @ 7.96MHz	120	3.00	120	1R8
SWI0805FT2R2□-□□	2.20 @ 7.96 MHz	J, K	15 @ 7.96MHz	110	3.10	110	2R2
SWI0805FT2R7□-□□	2.70 @ 7.96 MHz	J, K	15 @ 7.96MHz	100	3.50	100	2R7
SWI0805FT3R3□-□□	3.30 @ 7.96 MHz	J, K	15 @ 7.96MHz	70	2.30	210	3R3
SWI0805FT3R9□-□□	3.90 @ 7.96 MHz	J, K	15 @ 7.96MHz	60	2.50	200	3R9
SWI0805FT4R7□-□□	4.70 @ 7.96 MHz	J, K	15 @ 7.96MHz	50	2.80	180	4R7
SWI0805FT5R6□-□□	5.60 @ 7.96 MHz	J, K	15 @ 7.96MHz	45	3.00	160	5R6
SWI0805FT6R8□-□□	6.80 @ 7.96 MHz	J, K	15 @ 7.96MHz	45	3.20	130	6R8
SWI0805FT8R2□-□□	8.20 @ 7.96 MHz	J, K	15 @ 7.96MHz	40	3.50	120	8R2
SWI0805FT100□-□□	10.00 @ 2.52 MHz	J, K	15 @ 2.52MHz	40	5.00	80	100

SWI1008 FT Series							
DWG. No.	Inductance[1] (µH)	Tolerance	Q[2] min.	SRF[3] (MHz) min.	RDC[4] (Ω) max.	IDC[5] (mA) max.	Marking
SWI1008FTR47☐-☐☐	0.47 @ 25MHz	J, K	45 @ 100MHz	480	0.55	500	R47
SWI1008FTR56☐-☐☐	0.56 @ 25MHz	J, K	45 @ 100MHz	430	0.60	500	R56
SWI1008FTR68☐-☐☐	0.68 @ 25MHz	J, K	45 @ 100MHz	380	0.80	500	R68
SWI1008FTR82☐-☐☐	0.82 @ 25MHz	J, K	45 @ 100MHz	350	0.92	500	R82
SWI1008FT1R0☐-☐☐	1.00 @ 25MHz	J, K	35 @ 50MHz	310	1.75	430	1R0
SWI1008FT1R2☐-☐☐	1.20 @ 7.96MHz	J, K	20 @ 7.96MHz	280	1.30	230	1R2
SWI1008FT1R5☐-☐☐	1.50 @ 7.96MHz	J, K	20 @ 7.96MHz	250	1.65	220	1R5
SWI1008FT1R8☐-☐☐	1.80 @ 7.96MHz	J, K	20 @ 7.96MHz	200	2.20	210	1R8
SWI1008FT2R2☐-☐☐	2.20 @ 7.96MHz	J, K	20 @ 7.96MHz	160	2.35	200	2R2
SWI1008FT2R7☐-☐☐	2.70 @ 7.96MHz	J, K	20 @ 7.96MHz	130	2.60	195	2R7
SWI1008FT3R3☐-☐☐	3.30 @ 7.96MHz	J, K	20 @ 7.96MHz	80	2.85	185	3R3
SWI1008FT3R9☐-☐☐	3.90 @ 7.96MHz	J, K	20 @ 7.96MHz	50	4.00	180	3R9
SWI1008FT4R7☐-☐☐	4.70 @ 7.96MHz	J, K	20 @ 7.96MHz	45	4.30	175	4R7
SWI1008FT5R6☐-☐☐	5.60 @ 7.96MHz	J, K	20 @ 7.96MHz	42	2.60	170	5R6
SWI1008FT6R8☐-☐☐	6.80 @ 7.96MHz	J, K	20 @ 7.96MHz	39	2.80	165	6R8
SWI1008FT8R2☐-☐☐	8.20 @ 7.96MHz	J, K	20 @ 7.96MHz	36	3.05	160	8R2
SWI1008FT100☐-☐☐	10.00 @ 2.52MHz	J, K	15 @ 2.52MHz	33	3.50	150	100
SWI1008FT120☐-☐☐	12.00 @ 2.52MHz	J, K	15 @ 2.52MHz	30	3.60	140	120
SWI1008FT150☐-☐☐	15.00 @ 2.52MHz	J, K	15 @ 2.52MHz	26	4.00	130	150
SWI1008FT180☐-☐☐	18.00 @ 2.52MHz	J, K	15 @ 2.52MHz	24	4.50	120	180
SWI1008FT220☐-☐☐	22.00 @ 2.52MHz	J, K	15 @ 2.52MHz	22	5.00	110	220
SWI1008FT270☐-☐☐	27.00 @ 2.52MHz	J, K	15 @ 2.52MHz	21	6.00	95	270
SWI1008FT330☐-☐☐	33.00 @ 2.52MHz	J, K	15 @ 2.52MHz	20	6.50	85	330
SWI1008FT390☐-☐☐	39.00 @ 2.52MHz	J, K	15 @ 2.52MHz	18	8.50	60	390
SWI1008FT470☐-☐☐	47.00 @ 2.52MHz	J, K	15 @ 2.52MHz	17	14.00	45	470

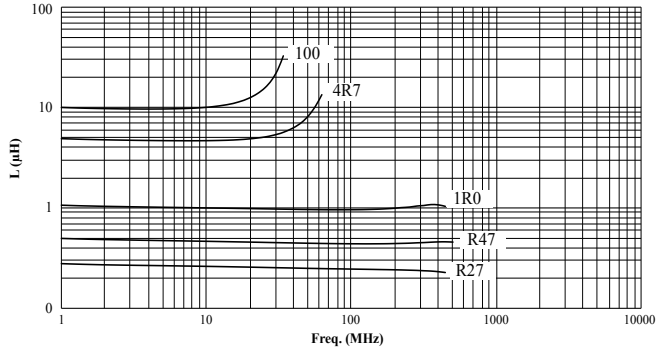
SWI1210 FT Series							
DWG. No.	Inductance[1] (µH)	Tolerance	Q[2] min.	SRF[3] (MHz) min.	RDC[4] (Ω) max.	IDC[5] (mA) max.	Marking
SWI1210FT1R2☐-☐☐	1.2 @ 7.96MHz	J, K	30 @ 7.96MHz	100	0.70	390	1R2
SWI1210FT1R5☐-☐☐	1.5 @ 7.96MHz	J, K	30 @ 7.96MHz	85	0.75	370	1R5
SWI1210FT1R8☐-☐☐	1.8 @ 7.96MHz	J, K	30 @ 7.96MHz	80	0.80	350	1R8
SWI1210FT2R2☐-☐☐	2.2 @ 7.96MHz	J, K	30 @ 7.96MHz	75	0.90	320	2R2
SWI1210FT2R7☐-☐☐	2.7 @ 7.96MHz	J, K	30 @ 7.96MHz	70	1.10	290	2R7
SWI1210FT3R3☐-☐☐	3.3 @ 7.96MHz	J, K	30 @ 7.96MHz	60	1.40	260	3R3
SWI1210FT3R9☐-☐☐	3.9 @ 7.96MHz	J, K	30 @ 7.96MHz	55	1.70	250	3R9
SWI1210FT4R7☐-☐☐	4.7 @ 7.96MHz	J, K	30 @ 7.96MHz	50	2.30	220	4R7
SWI1210FT5R6☐-☐☐	5.6 @ 7.96MHz	J, K	20 @ 7.96MHz	47	1.60	200	5R6
SWI1210FT6R8☐-☐☐	6.8 @ 7.96MHz	J, K	20 @ 7.96MHz	43	2.20	180	6R8
SWI1210FT8R2☐-☐☐	8.2 @ 7.96MHz	J, K	20 @ 7.96MHz	40	2.40	170	8R2
SWI1210FT100☐-☐☐	10.0 @ 2.52MHz	J, K	15 @ 2.52MHz	36	3.28	150	100
SWI1210FT120☐-☐☐	12.0 @ 2.52MHz	J, K	15 @ 2.52MHz	33	3.40	140	120
SWI1210FT150☐-☐☐	15.0 @ 2.52MHz	J, K	15 @ 2.52MHz	30	3.90	125	150
SWI1210FT180☐-☐☐	18.0 @ 2.52MHz	J, K	15 @ 2.52MHz	27	4.20	110	180
SWI1210FT220☐-☐☐	22.0 @ 2.52MHz	J, K	15 @ 2.52MHz	25	6.00	90	220
SWI1210FT270☐-☐☐	27.0 @ 2.52MHz	J, K	15 @ 2.52MHz	20	6.80	80	270
SWI1210FT330☐-☐☐	33.0 @ 2.52MHz	J, K	15 @ 2.52MHz	17	7.50	70	330
SWI1210FT390☐-☐☐	39.0 @ 2.52MHz	J, K	15 @ 2.52MHz	16	8.00	65	390
SWI1210FT470☐-☐☐	47.0 @ 2.52MHz	J, K	15 @ 2.52MHz	15	8.50	60	470

Tolerance: B=±0.2nH S=±0.3nH G=±2% J=±5% K=±10% M= ±20%

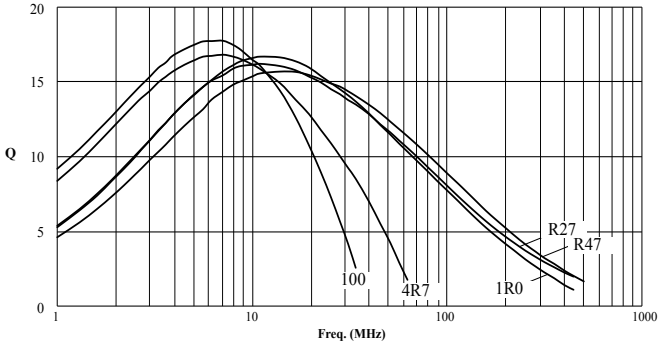
1. Inductance is measured in Agilent/HP-4287A RF LCR meter with Agilent/HP-16193 fixture.
2. Q is measured in HP-4285A RF LCR meter with Agilent/HP-16193 fixture.
3. SF is measured in ENA E5071B network analyzer or equivalent.
4. RDC is measured in HP-4338B milliohm meter or equivalent.
5. For 15°C Rise.

SWI0603 FT Series

L vs Freq Plot

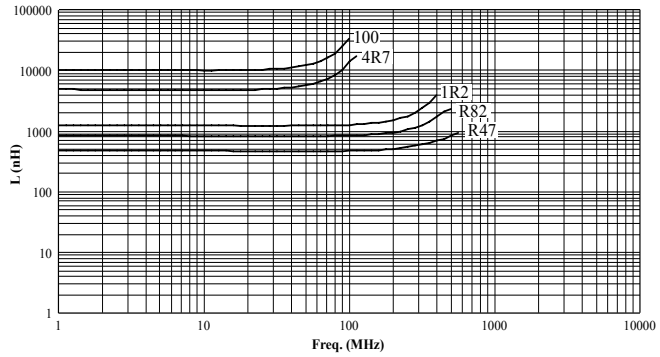


Q vs Freq Plot

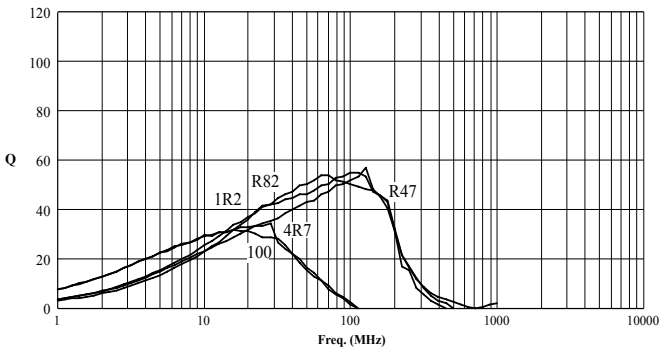


SWI0805 FT Series

L vs Freq Plot

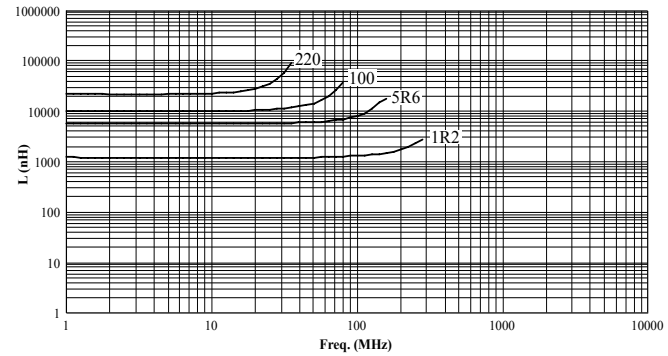


Q vs Freq Plot

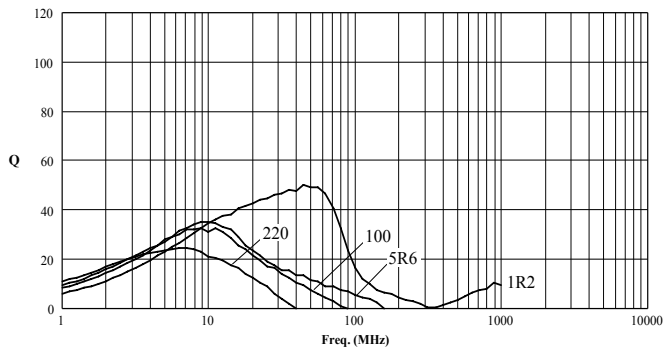


SWI1008 FT Series

L vs Freq Plot

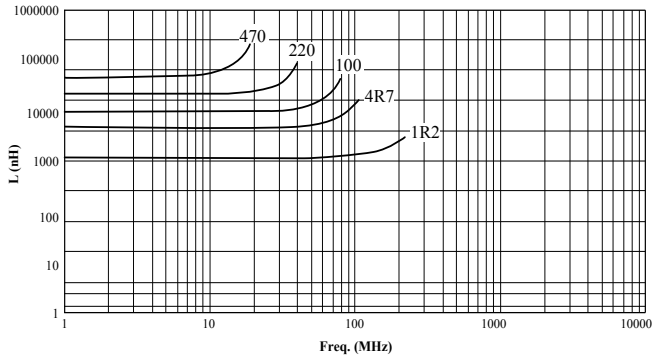


Q vs Freq Plot

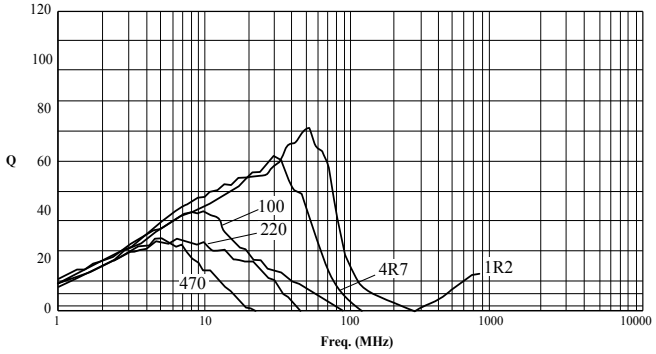


SWI1210 FT Series

L vs Freq Plot



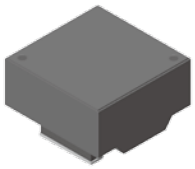
Q vs Freq Plot

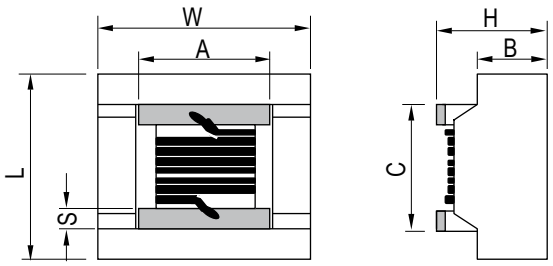


SWI SERIES

1008 PT

Shielded / High Current





Unit: mm

Series	L	W	H	S	A	B	C
SWI1008	3.60±0.20	3.60±0.20	2.50±0.20	0.50±0.10	2.00±0.10	1.60±0.20	2.50±0.10

Features

- Magnetic shield reduces EMI effective
- High current handling
- High inductance (up to 1,000 µH)
- Operating temp.: -40°C ~ +85°C (including self-temperature rise)

compliant RoHS

RoHS & HF compliant

Application

- Electronic devices
- DC/ DC converters

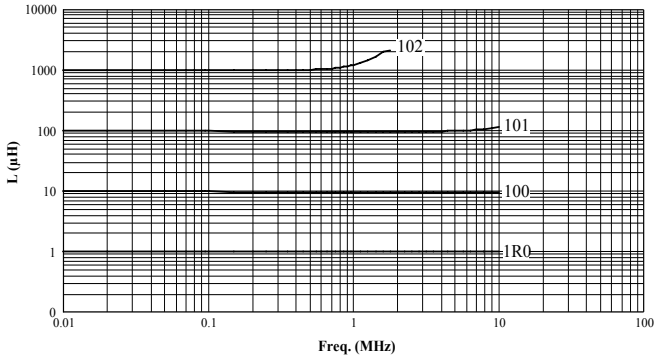
SWI1008 PT Series						
DWG. No.	Inductance[1] (µH)	Tolerance	Q[2] min.	SRF[3] (MHz) min.	RDC[4] (Ω) max.	IDC[5] (mA) max.
SWI1008PT1R0□-□□	1.0 @ 100KHZ	M	35 @ 1MHZ	344.0	0.05	1000
SWI1008PT1R5□-□□	1.5 @ 100KHZ	M	35 @ 1MHZ	260.0	0.06	800
SWI1008PT1R8□-□□	1.8 @ 100KHZ	M	35 @ 1MHZ	225.0	0.09	680
SWI1008PT2R7□-□□	2.7 @ 100KHZ	M	38 @ 1MHZ	185.0	0.14	650
SWI1008PT3R9□-□□	3.9 @ 100KHZ	M	38 @ 1MHZ	175.0	0.26	650
SWI1008PT4R7□-□□	4.7 @ 100KHZ	M	38 @ 1MHZ	160.0	0.35	500
SWI1008PT5R6□-□□	5.6 @ 100KHZ	M	38 @ 1MHZ	150.0	0.40	450
SWI1008PT6R8□-□□	6.8 @ 100KHZ	M	38 @ 1MHZ	120.0	0.60	400
SWI1008PT100□-□□	10.0 @ 100KHZ	M	38 @ 1MHZ	100.0	0.95	250
SWI1008PT150□-□□	15.0 @ 100KHZ	M	38 @ 1MHZ	35.0	1.15	220
SWI1008PT220□-□□	22.0 @ 100KHZ	M	40 @ 1MHZ	26.0	1.40	180
SWI1008PT330□-□□	33.0 @ 100KHZ	M	45 @ 1MHZ	20.0	1.60	150
SWI1008PT390□-□□	39.0 @ 100KHZ	M	45 @ 1MHZ	14.0	1.85	130
SWI1008PT470□-□□	47.0 @ 100KHZ	M	45 @ 1MHZ	14.0	2.50	110
SWI1008PT680□-□□	68.0 @ 100KHZ	M	45 @ 1MHZ	12.0	3.80	100
SWI1008PT820□-□□	82.0 @ 100KHZ	M	45 @ 1MHZ	9.0	4.20	100
SWI1008PT101□-□□	100.0 @ 100KHZ	M	45 @ 1MHZ	7.0	5.80	80
SWI1008PT121□-□□	120.0 @ 100KHZ	M	45 @ 1MHZ	6.0	6.20	60
SWI1008PT151□-□□	150.0 @ 100KHZ	M	40 @ 1MHZ	5.6	7.50	50
SWI1008PT221□-□□	220.0 @ 100KHZ	M	40 @ 1MHZ	4.0	10.00	50
SWI1008PT331□-□□	330.0 @ 100KHZ	M	40 @ 1MHZ	3.8	11.50	50
SWI1008PT471□-□□	470.0 @ 100KHZ	M	35 @ 1MHZ	2.0	16.50	50
SWI1008PT561□-□□	560.0 @ 100KHZ	M	35 @ 1MHZ	2.0	18.00	30
SWI1008PT681□-□□	680.0 @ 100KHZ	M	30 @ 1MHZ	1.8	24.00	30
SWI1008PT821□-□□	820.0 @ 100KHZ	M	30 @ 1MHZ	1.5	26.00	30
SWI1008PT102□-□□	1000.0 @ 100KHZ	M	30 @ 1MHZ	1.3	30.00	30

Tolerance: B=±0.2nH S=±0.3nH G=±2% J=±5% K=±10% M= ±20%

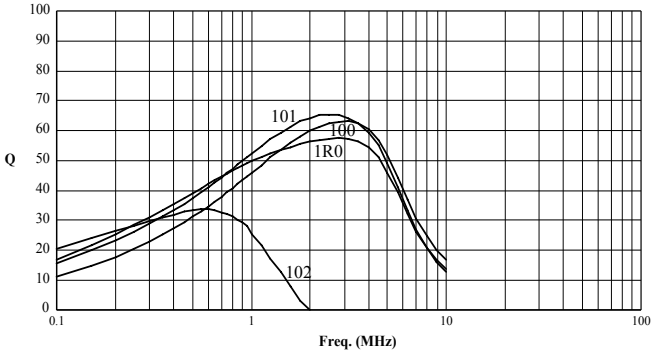
1. Inductance is measured in HP-4285A Precision LCR meter RF LCR meter with SMD-A fixture.
2. Q is measured in HP-4285A Precision LCR meter, HP-4285A RF LCR meter with SMD-A fixture. With 0.1Vrms
3. SRF is measured in HP-8753E RF network analyzer with HP-16193 fixture or equivalent.
4. RDC is measured in HP-4338B milliohm meter or equivalent.
5. For 15°C Rise.

SWI1008 PT Series

L vs Freq Plot



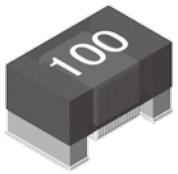
Q vs Freq Plot

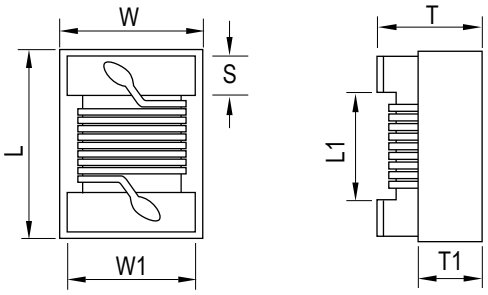


LPI SERIES

0603 / 1210 FT

Low profile





Unit: mm

Series	L	W	T	S	L1	W1	T1
LPI0603	1.60±0.20	1.05±0.20	1.05±0.10	0.35±0.10	0.80 ref.	0.95 ref.	0.50 ref.
LPI1210	3.20±0.20	2.50±0.20	1.20 max.	0.50±0.10	2.20 ref.	2.40 ref.	0.80 ref.

Features

- Low Profile
- Operating temp.: -40°C ~ +85°C (including self-temperature rise)

Application

- Electronic devices
- DC/ DC converters

LPI0603 FT Series						
Part No.	Inductance[1] (µH)	Tolerance	Q[2] min.	SRF[3] (MHz) min.	RDC[4] (Ω) max.	IDC[5] (mA) max.
LPI0603FT1R0☐-☐☐	1.0 @ 100kHz	K, M	6 @ 1MHz	400	0.60	680
LPI0603FT1R2☐-☐☐	1.2 @ 100kHz	K, M	6 @ 1MHz	300	0.65	650
LPI0603FT1R5☐-☐☐	1.5 @ 100kHz	K, M	6 @ 1MHz	150	0.90	520
LPI0603FT1R8☐-☐☐	1.8 @ 100kHz	K, M	6 @ 1MHz	120	0.95	480
LPI0603FT2R2☐-☐☐	2.2 @ 100kHz	K, M	7 @ 1MHz	80	1.00	470
LPI0603FT2R7☐-☐☐	2.7 @ 100kHz	K, M	7 @ 1MHz	80	1.10	460
LPI0603FT3R3☐-☐☐	3.3 @ 100kHz	K, M	7 @ 1MHz	70	1.25	450
LPI0603FT3R9☐-☐☐	3.9 @ 100kHz	K, M	7 @ 1MHz	65	1.35	430
LPI0603FT4R7☐-☐☐	4.7 @ 100kHz	K, M	8 @ 1MHz	60	1.50	420
LPI0603FT5R6☐-☐☐	5.6 @ 100kHz	K, M	8 @ 1MHz	55	2.10	270
LPI0603FT6R8☐-☐☐	6.8 @ 100kHz	K, M	8 @ 1MHz	50	2.30	250
LPI0603FT8R2☐-☐☐	8.2 @ 100kHz	K, M	8 @ 1MHz	28	2.50	230
LPI0603FT100☐-☐☐	10.0 @ 100kHz	K, M	10 @ 1MHz	25	2.90	220
LPI0603FT120☐-☐☐	12.0 @ 100kHz	K, M	10 @ 1MHz	20	3.10	190

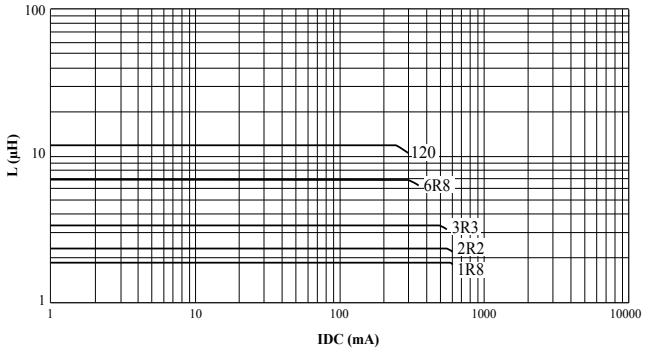
LPI1210 FT Series							
DWG. No.	Inductance[1] (µH)	Tolerance	Q[2] min.	SRF[3] (MHz) min.	RDC[4] (Ω) max.	Isat[5] (mA) max.	IDC[6] (mA) max.
LPI1210FT2R2☐-☐☐	2.2 @ 100kHz	K, M	10 @ 1MHz	150	0.50	850	800
LPI1210FT2R7☐-☐☐	2.7 @ 100kHz	K, M	10 @ 1MHz	120	0.60	750	700
LPI1210FT3R3☐-☐☐	3.3 @ 100kHz	K, M	10 @ 1MHz	100	0.75	700	650
LPI1210FT3R9☐-☐☐	3.9 @ 100kHz	K, M	10 @ 1MHz	90	0.80	650	600
LPI1210FT4R7☐-☐☐	4.7 @ 100kHz	K, M	10 @ 1MHz	80	0.95	600	550
LPI1210FT5R6☐-☐☐	5.6 @ 100kHz	K, M	10 @ 1MHz	65	1.00	550	520
LPI1210FT6R8☐-☐☐	6.8 @ 100kHz	K, M	10 @ 1MHz	55	1.10	500	480
LPI1210FT8R2☐-☐☐	8.2 @ 100kHz	K, M	10 @ 1MHz	40	1.30	480	450
LPI1210FT100☐-☐☐	10.0 @ 100kHz	K, M	10 @ 1MHz	36	1.50	450	430
LPI1210FT120☐-☐☐	12.0 @ 100kHz	K, M	10 @ 1MHz	34	1.60	420	400
LPI1210FT150☐-☐☐	15.0 @ 100kHz	K, M	10 @ 1MHz	32	1.90	400	350
LPI1210FT180☐-☐☐	18.0 @ 100kHz	K, M	10 @ 1MHz	30	2.90	350	320
LPI1210FT220☐-☐☐	22.0 @ 100kHz	K, M	10 @ 1MHz	30	3.50	320	300
LPI1210FT270☐-☐☐	27.0 @ 100kHz	K, M	10 @ 1MHz	25	4.20	280	250
LPI1210FT330☐-☐☐	33.0 @ 100kHz	K, M	10 @ 1MHz	20	5.00	250	220

Tolerance: B=±0.2nH S=±0.3nH G=±2% J=±5% K=±10% M= ±20%

1. Inductance is measured in HP-4284A /4285A RF LCR meter with SMD-A fixture.
2. Q is measured in HP-4284A / 4285A RF LCR meter with SMD-A fixture.
3. SRF is measured in ENA E5071B network analyzer or equivalent.
4. RDC is measured in HP-4338B milliohm meter or equivalent.
5. Inductance drop 10% from the initial value.
6. For 25°C Rise.

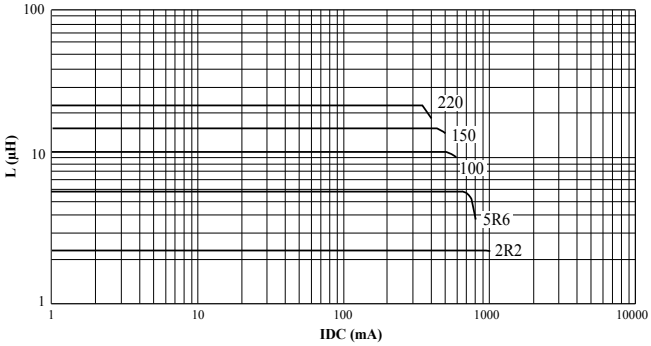
LPI0603 FT Series

L vs IDC Chart



LPI1210 FT Series

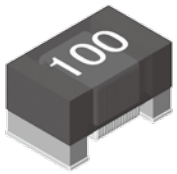
L vs IDC Chart

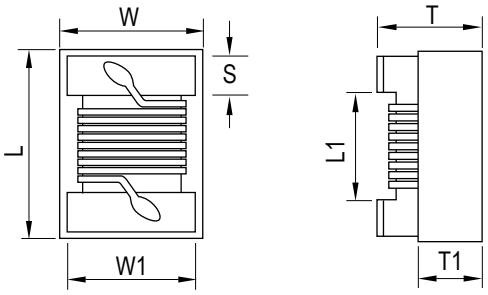


HCI SERIES

0805 FT

Low profile





Unit: mm

Series	L	W	T	S	L1	W1	T1
HCI0805	2.30 max.	1.50 max.	1.20 max.	0.50±0.10	1.20 ref.	1.20 ref.	0.60 ref.

Features

- Low profile for the same size (Maximum height 1.2mm)
- Operating temp.: -40°C ~ +85°C (including self-temperature rise)

compliant RoHS

RoHS & HF compliant

Application

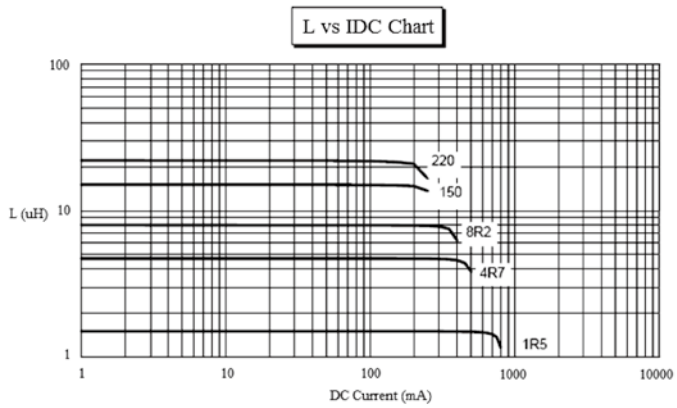
- Electronic devices
- DC / DC converters

HCI0805 FT Series							
DWG. No.	Inductance[1] (µH)	Tolerance	Q[2] min.	SRF[3] (MHz) min.	RDC[4] (Ω) max.	Isat[5] (mA) max.	IDC[6] (mA) max.
HCI0805FTR47 □-□□	0.47 @ 100kHz	K, M	10 @ 1MHz	720	0.15	1600	1100
HCI0805FTR56 □-□□	0.56 @ 100kHz	K, M	10 @ 1MHz	680	0.17	1450	1050
HCI0805FTR68 □-□□	0.68 @ 100kHz	K, M	10 @ 1MHz	600	0.19	1300	1000
HCI0805FTR82 □-□□	0.82 @ 100kHz	K, M	10 @ 1MHz	550	0.20	1250	950
HCI0805FT1R0 □-□□	1.0 @ 100kHz	K, M	10 @ 1MHz	500	0.30	1000	900
HCI0805FT1R2 □-□□	1.2 @ 100kHz	K, M	10 @ 1MHz	350	0.27	1150	900
HCI0805FT1R5 □-□□	1.5 @ 100kHz	K, M	10 @ 1MHz	230	0.35	850	700
HCI0805FT1R8 □-□□	1.8 @ 100kHz	K, M	10 @ 1MHz	180	0.40	750	650
HCI0805FT2R2 □-□□	2.2 @ 100kHz	K, M	10 @ 1MHz	140	0.45	700	580
HCI0805FT2R7 □-□□	2.7 @ 100kHz	K, M	10 @ 1MHz	120	0.60	650	550
HCI0805FT3R3 □-□□	3.3 @ 100kHz	K, M	10 @ 1MHz	90	0.70	600	430
HCI0805FT3R9 □-□□	3.9 @ 100kHz	K, M	10 @ 1MHz	80	0.75	550	420
HCI0805FT4R7 □-□□	4.7 @ 100kHz	K, M	10 @ 1MHz	70	0.80	500	400
HCI0805FT5R6 □-□□	5.6 @ 100kHz	K, M	10 @ 1MHz	60	1.05	450	380
HCI0805FT6R8 □-□□	6.8 @ 100kHz	K, M	10 @ 1MHz	50	1.15	420	370
HCI0805FT8R2 □-□□	8.2 @ 100kHz	K, M	10 @ 1MHz	45	1.25	400	360
HCI0805FT100 □-□□	10 @ 100kHz	K, M	10 @ 1MHz	40	1.50	370	330
HCI0805FT120 □-□□	12 @ 100kHz	K, M	10 @ 1MHz	35	1.80	320	320
HCI0805FT150 □-□□	15 @ 100kHz	K, M	10 @ 1MHz	22	1.90	300	300
HCI0805FT180 □-□□	18 @ 100kHz	K, M	10 @ 1MHz	20	2.30	280	280
HCI0805FT220 □-□□	22 @ 100kHz	K, M	10 @ 1MHz	18	2.50	250	250
HCI0805FT270 □-□□	27 @ 100kHz	K, M	10 @ 1MHz	16	3.40	230	230
HCI0805FT330 □-□□	33 @ 100kHz	K, M	10 @ 1MHz	15	3.80	210	210
HCI0805FT390 □-□□	39 @ 100kHz	K, M	10 @ 1MHz	12	4.30	180	180
HCI0805FT470 □-□□	47 @ 100kHz	K, M	10 @ 1MHz	10	4.70	150	150

Tolerance: B=±0.2nH S=±0.3nH G=±2% J=±5% K=±10% M= ±20%

1. Inductance is measured in HP-4284A /4285A RF LCR meter with SMD-A fixture.
2. Q is measured in HP-4284A / 4285A RF LCR meter with SMD-A fixture.
3. SRF is measured in ENA E5071B network analyzer or equivalent.
4. RDC is measured in HP-4338B milliohm meter or equivalent.
5. Inductance drop 10% from the initial value.
6. For 25°C Rise.

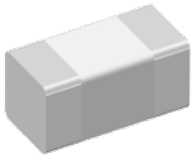
HCI0805 FT Series

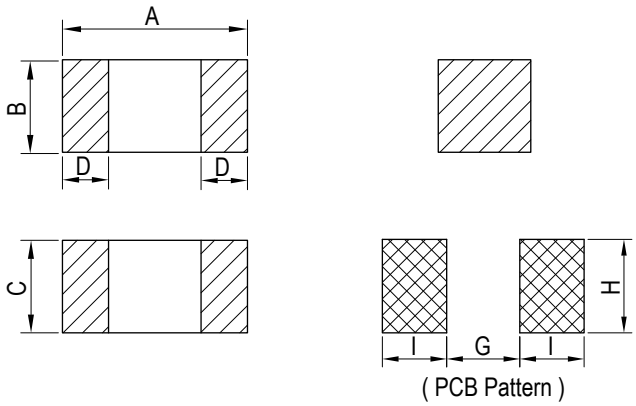


MH SERIES

0603 / 1005 / 1608

RF – Ceramic





Unit: mm

Series	A	B	C	D	G	H	I
MH0603	0.60±0.03	0.30±0.03	0.30±0.03	0.15±0.05	0.25	0.32	0.22
MH1005	1.00±0.10	0.50±0.10	0.50±0.10	0.50±0.10	0.4	0.5	0.5
MH1608	1.60±0.20	0.80±0.20	0.80±0.20	0.80±0.20	0.7	0.7	0.7

Features

- Multilayer structure
- Operating temp.: -55°C ~ +125°C (including self-temperature rise)

Application

- Smart phones, personal devices
- High frequency circuits

MH0603 Series							
DWG. No.	Inductance (nH)	Tolerance	Q min.	L/Q Test Freq. (MHz/mV)	SRF (MHz) typ.	RDC (Ω) max.	IDC (mA) max.
MH06031N0□S□-□□□	1.0	B, C, D	4	100/250	13000	0.11	470
MH06031N2□S□-□□□	1.2	B, C, D	4	100/250	13000	0.12	450
MH06031N5□S□-□□□	1.5	B, C, D	4	100/250	13000	0.13	430
MH06031N8□S□-□□□	1.8	B, C, D	4	100/250	13000	0.16	390
MH06032N0□S□-□□□	2.0	B, C, D	4	100/250	13000	0.17	380
MH06032N1□S□-□□□	2.1	B, C, D	4	100/250	13000	0.17	380
MH06032N2□S□-□□□	2.2	B, C, D	4	100/250	12500	0.19	360
MH06032N4□S□-□□□	2.4	B, C, D	4	100/250	11700	0.20	350
MH06032N7□S□-□□□	2.7	B, C, D	4	100/250	11000	0.21	340
MH06033N0□S□-□□□	3.0	B, C, D	4	100/250	11000	0.22	330
MH06033N3□S□-□□□	3.3	B, C, D	4	100/250	9600	0.23	320
MH06033N6□S□-□□□	3.6	B, C, D	4	100/250	9100	0.25	310
MH06033N9□S□-□□□	3.9	B, C, D	4	100/250	8600	0.27	300
MH06034N3□S□-□□□	4.3	B, C, D	4	100/250	8100	0.30	280
MH06034N7□S□-□□□	4.7	B, C, D	4	100/250	7600	0.30	280
MH06035N1□S□-□□□	5.1	B, C, D	4	100/250	7100	0.33	270
MH06035N6□S□-□□□	5.6	B, C, D	4	100/250	6600	0.36	260
MH06036N2□S□-□□□	6.2	B, C, D	4	100/250	6100	0.38	250
MH06036N8□S□-□□□	6.8	H, J	4	100/250	5600	0.39	250
MH06037N5□S□-□□□	7.5	H, J	4	100/250	5300	0.41	240
MH06038N2□S□-□□□	8.2	H, J	4	100/250	4900	0.45	230
MH06039N1□S□-□□□	9.1	H, J	4	100/250	4600	0.48	220
MH060310N□S□-□□□	10.0	H, J	4	100/250	4200	0.51	220
MH060312N□S□-□□□	12.0	H, J	4	100/250	3800	0.68	190
MH060315N□S□-□□□	15.0	H, J	4	100/250	3100	0.71	180
MH060318N□S□-□□□	18.0	H, J	4	100/250	3000	0.81	170
MH060322N□S□-□□□	22.0	H, J	4	100/250	2600	1.00	150
MH060327N□S□-□□□	27.0	H, J	4	100/250	2600	1.35	120

MH1005 Series						
DWG. No.	Inductance (nH)	Q min.	L/Q Test Freq. (MHz)	SRF (MHz) typ.	RDC (Ω) max.	IDC (mA) max.
MH10051N0DL□-□□□	1.0±0.3	8	100	10000	0.07	400
MH10051N1DL□-□□□	1.1±0.3	8	100	10000	0.10	400
MH10051N2DL□-□□□	1.2±0.3	8	100	10000	0.09	400
MH10051N3DL□-□□□	1.3±0.3	8	100	9000	0.10	400
MH10051N5DL□-□□□	1.5±0.3	8	100	9000	0.10	400
MH10051N6DL□-□□□	1.6±0.3	8	100	8700	0.10	400
MH10051N8DL□-□□□	1.8±0.3	8	100	8700	0.10	400
MH10052N0DL□-□□□	2.0±0.3	8	100	8100	0.10	400
MH10052N2DL□-□□□	2.2±0.3	8	100	8100	0.12	400
MH10052N4DL□-□□□	2.4±0.3	8	100	7700	0.15	400
MH10052N7DL□-□□□	2.7±0.3	8	100	7700	0.15	400
MH10053N0DL□-□□□	3.0±0.3	8	100	6300	0.15	400
MH10053N3DL□-□□□	3.3±0.3	8	100	6300	0.15	400
MH10053N6DL□-□□□	3.6±0.3	8	100	6100	0.15	400
MH10053N9DL□-□□□	3.9±0.3	8	100	6100	0.18	400
MH10054N3DL□-□□□	4.3±0.3	8	100	6000	0.18	400
MH10054N7DL□-□□□	4.7±0.3	8	100	6000	0.18	400
MH10055N0DL□-□□□	5.0±0.3	8	100	5100	0.20	400
MH10055N1DL□-□□□	5.1±0.3	8	100	5300	0.20	400
MH10055N6DL□-□□□	5.6±0.3	8	100	5100	0.20	400
MH10056N8JL□-□□□	6.8±5%	8	100	4550	0.24	400
MH10058N0JL□-□□□	8.0±5%	8	100	4100	0.30	300
MH10058N2JL□-□□□	8.2±5%	8	100	4100	0.24	300
MH10059N1JL□-□□□	9.1±5%	8	100	3900	0.26	300
MH100510NJL□-□□□	10.0±5%	8	100	3900	0.26	300
MH100512NJL□-□□□	12.0±5%	8	100	3000	0.40	300
MH100515NJL□-□□□	15.0±5%	8	100	2800	0.50	300
MH100518NJL□-□□□	18.0±5%	8	100	2500	0.55	300
MH100522NJL□-□□□	22.0±5%	8	100	2200	0.70	300
MH100524NJL□-□□□	24.0±5%	8	100	2100	0.70	300
MH100527NJL□-□□□	27.0±5%	8	100	2000	0.80	300
MH100533NJL□-□□□	33.0±5%	8	100	1800	0.90	200
MH100539NJL□-□□□	39.0±5%	8	100	1600	1.00	150
MH100547NJL□-□□□	47.0±5%	8	100	1400	1.20	150
MH100556NJL□-□□□	56.0±5%	8	100	1300	1.30	150
MH100568NJL□-□□□	68.0±5%	8	100	1100	1.50	100
MH100575NJL□-□□□	75.0±5%	8	100	1080	1.50	100
MH100582NJL□-□□□	82.0±5%	8	100	1000	1.60	100
MH1005R10JL□-□□□	100.0±5%	8	100	900	2.00	100
MH1005R12JL□-□□□	120.0±5%	8	100	800	2.20	100
MH1005R15JL□-□□□	150.0±5%	8	100	700	3.50	100
MH1005R18JL□-□□□	180.0±5%	8	100	600	3.80	100
MH1005R22JL□-□□□	220.0±5%	8	100	500	4.20	100
MH1005R27JL□-□□□	270.0±5%	8	100	500	4.80	100

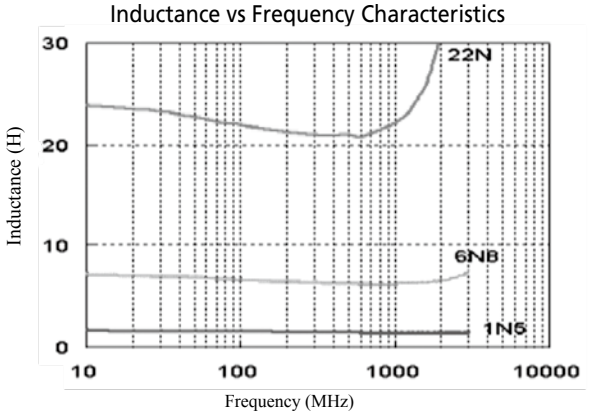
MH1608 Series						
DWG. No.	Inductance (nH)	Q min.	L/Q Test Freq. (MHz)	SRF (MHz) typ.	RDC (Ω) max.	IDC (mA) max.
MH16081N0DL□-□□□	1.0±0.3	8	100	10000	0.10	600
MH16081N2DL□-□□□	1.2±0.3	8	100	10000	0.10	600
MH16081N5DL□-□□□	1.5±0.3	8	100	8000	0.10	600
MH16081N8DL□-□□□	1.8±0.3	8	100	8000	0.10	600
MH16082N2DL□-□□□	2.2±0.3	8	100	7200	0.10	600
MH16082N7DL□-□□□	2.7±0.3	10	100	6200	0.10	600
MH16083N3DL□-□□□	3.3±0.3	10	100	5200	0.12	600
MH16083N9DL□-□□□	3.9±0.3	10	100	5000	0.14	600
MH16084N7DL□-□□□	4.7±0.3	10	100	4750	0.16	600
MH16085N6DL□-□□□	5.6±0.3	10	100	4100	0.18	600
MH16086N8JL□-□□□	6.8±5%	10	100	3750	0.22	600
MH16088N2JL□-□□□	8.2±5%	10	100	3300	0.24	600
MH160810NJL□-□□□	10.0±5%	12	100	3000	0.26	600
MH160812NJL□-□□□	12.0±5%	12	100	2600	0.28	600
MH160815NJL□-□□□	15.0±5%	12	100	2500	0.32	600
MH160818NJL□-□□□	18.0±5%	12	100	2400	0.35	600
MH160822NJL□-□□□	22.0±5%	12	100	2000	0.40	500
MH160827NJL□-□□□	27.0±5%	12	100	1900	0.45	500
MH160833NJL□-□□□	33.0±5%	12	100	1600	0.55	400
MH160839NJL□-□□□	39.0±5%	12	100	1400	0.60	400
MH160847NJL□-□□□	47.0±5%	12	100	1300	0.70	400
MH160856NJL□-□□□	56.0±5%	12	100	1100	0.75	400
MH160862NJL□-□□□	62.0±5%	12	100	1050	0.85	400
MH160868NJL□-□□□	68.0±5%	12	100	1050	0.85	400
MH160882NJL□-□□□	82.0±5%	12	100	900	1.00	300
MH1608R10JL□-□□□	100.0±5%	12	100	770	1.20	300
MH1608R12JL□-□□□	120.0±5%	8	50	850	1.30	300
MH1608R15JL□-□□□	150.0±5%	8	50	550	1.70	250
MH1608R18JL□-□□□	180.0±5%	8	50	520	1.90	250
MH1608R22JL□-□□□	220.0±5%	8	50	500	2.00	250

Tolerance: B=±0.1nH C=±0.2nH D=±0.3nH H=±3% J=±5%

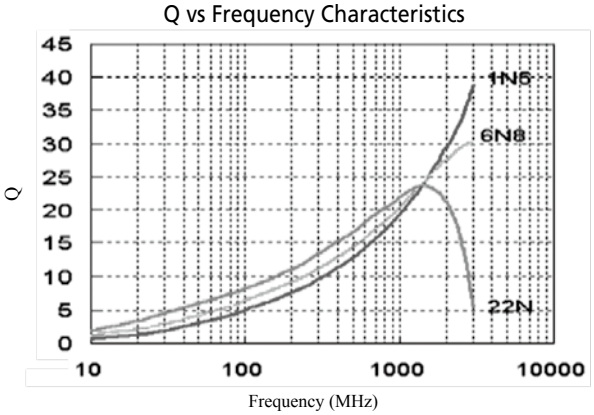
1. Electrical specifications at 25°C

MH0603 Series

Inductance vs Frequency Characteristics

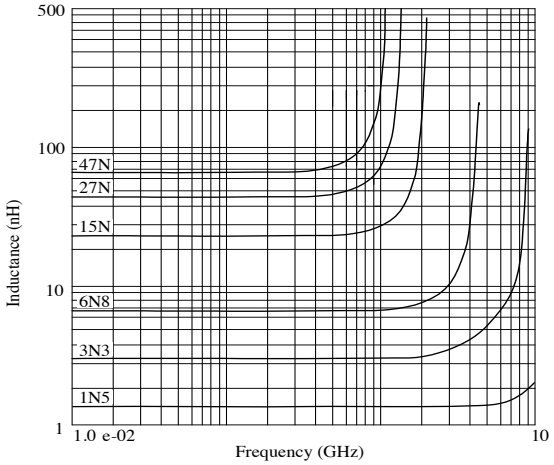


Q vs Frequency Characteristics

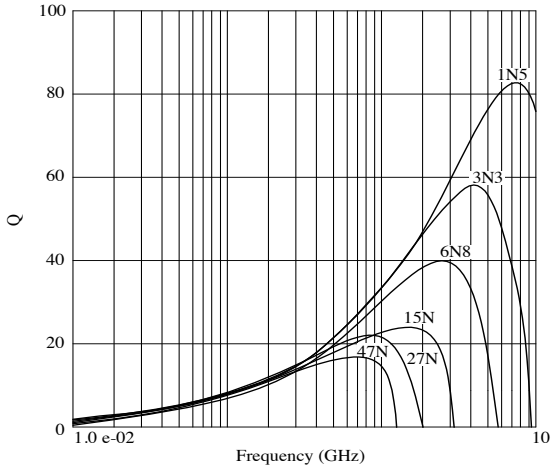


MH1005 Series

L vs. Frequency

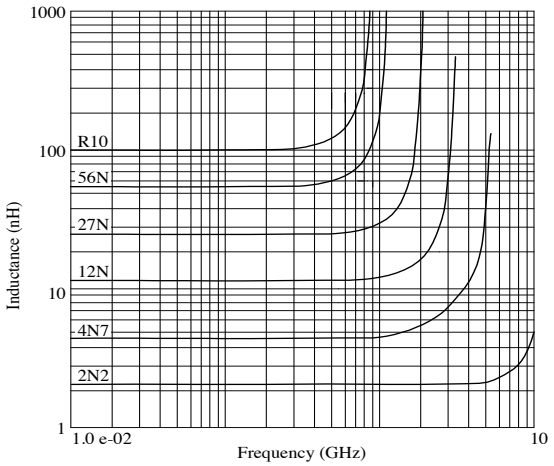


Q vs. Frequency

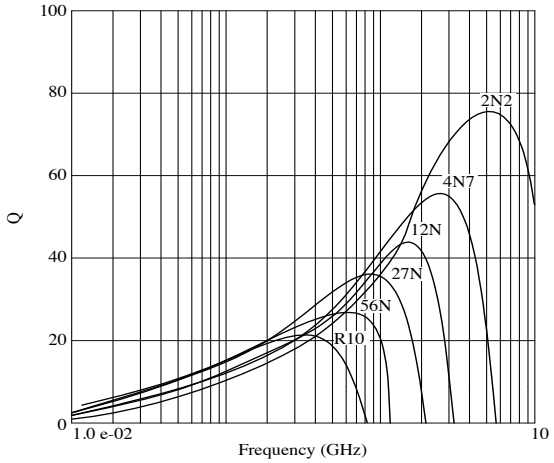


MH1608 Series

L vs. Frequency



Q vs. Frequency

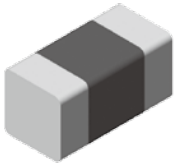


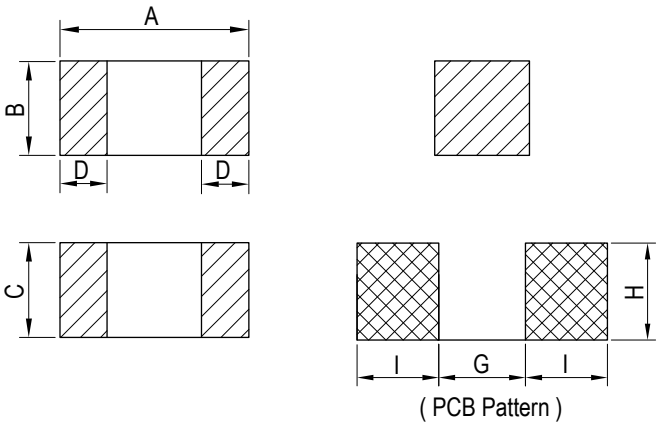
• All specifications are subject to change without notice.

MP SERIES

1608 / 2012 / 2016

Power - Ferrite





Unit: mm

Series	A	B	C	D	G	H	I
MP1608	1.60±0.15	0.80±0.15	0.95max.	0.30±0.20	0.85	0.95	0.80
MP2012	2.00±0.20	1.25±0.20	1.0 max.	0.50±0.30	1.00	1.45	1.05
MP2016	2.00±0.20	1.60±0.20	1.0 max.	0.50±0.30	1.00	1.75	1.05

Features

- Low DCR
- High Current
- Operating temp.: -55°C ~ +105°C
  (including self-temperature rise)

compliant RoHS RoHS & HF compliant

Application

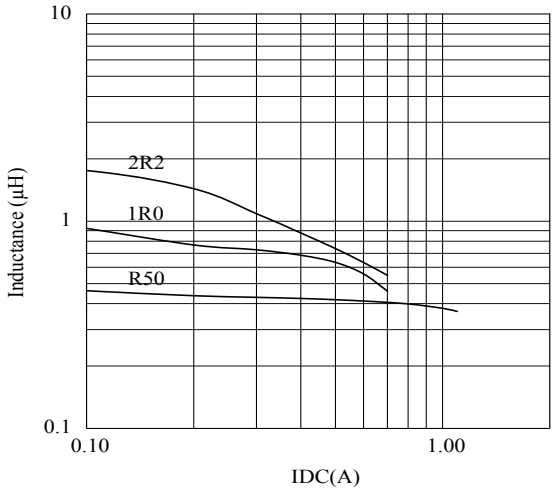
- Personal devices
- DC/DC converters

MP1608 Series					
DWG. No.	Inductance (μH)	Test Freq. (Hz)	Rated Current (mA) max.	RDC (Ω) max.	RDC (Ω) typ.
MP1608R50MP□-□□□	0.50±20%	1M / 60mV	900	0.15	0.12
MP16081R0MP□-□□□	1.00±20%		750	0.20	0.17
MP16082R2MP□-□□□	2.20±20%		650	0.30	0.27
MP2012 Series					
DWG. No.	Inductance (μH)	Test Freq. (Hz)	Rated Current (mA) max.	RDC (Ω) max.	RDC (Ω) typ.
MP20121R0MP□-□□□	1.00±20%	1M / 60mV	1000	0.14	0.11
MP20121R5MP□-□□□	1.50±20%		800	0.20	0.15
MP20122R2MP□-□□□	2.20±20%		800	0.20	0.15
MP20123R3MP□-□□□	3.30±20%		700	0.24	0.20
MP20124R7MP□-□□□	4.70±20%		700	0.28	0.23
MP2016 Series					
DWG. No.	Inductance (μH)	Test Freq. (Hz)	Rated Current (mA) max.	RDC (Ω) max.	RDC (Ω) typ.
MP20161R0MP□-□□□	1.00±20%	1M / 60mV	1300	0.12	0.09
MP20161R5MP□-□□□	1.50±20%		1200	0.13	0.10
MP20162R2MP□-□□□	2.20±20%		1200	0.14	0.11
MP20163R3MP□-□□□	3.30±20%		1100	0.16	0.13
MP20164R7MP□-□□□	4.70±20%		900	0.20	0.16

1. Electrical specifications at 25°C
2. Rated Current : Base on temp. rise 40°C max.

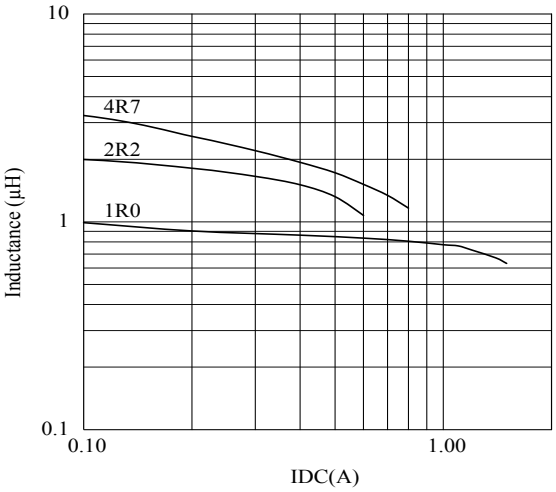
MP1608 Series

Inductance VS. DC Current Curve



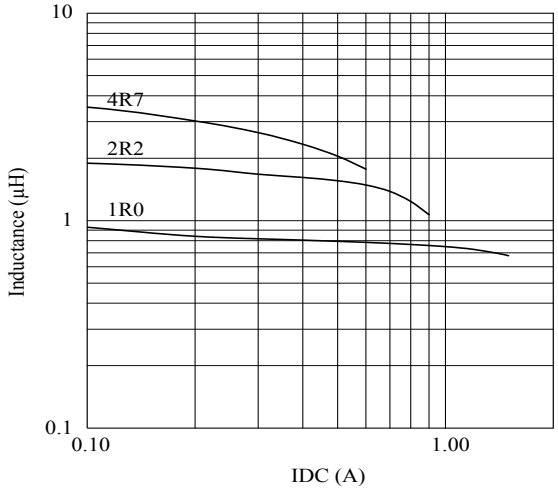
MP2012 Series

Inductance VS. DC Current Curve



MP2016 Series

Inductance VS. DC Current Curve

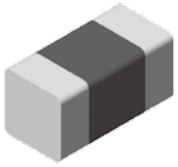


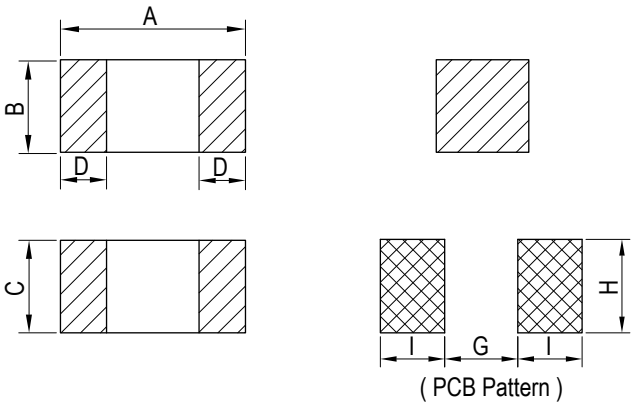
MP

MU SERIES

0603 / 1005 / 1608 / 2029

General





Unit: mm

Series	A	B	C	D	G	H	I
MU0603	0.60±0.03	0.30±0.03	0.30±0.03	0.15±0.05	0.25	0.32	0.22
MU1005	1.00±0.10	0.50±0.10	0.50±0.10	0.20±0.10	0.40	0.40	0.50
MU1608	1.60±0.20	0.80±0.20	0.80±0.20	0.30±0.20	0.70	0.70	0.70
MU2029	2.00±0.2	1.20±0.2	0.90±0.2	0.50±0.3	0.80	1.00	1.00

Features

- Noise reduction for data line
- Operating temp.: -55°C ~ +125°C (including self-temperature rise)

compliant RoHS RoHS & HF compliant

Application

- Household appliances

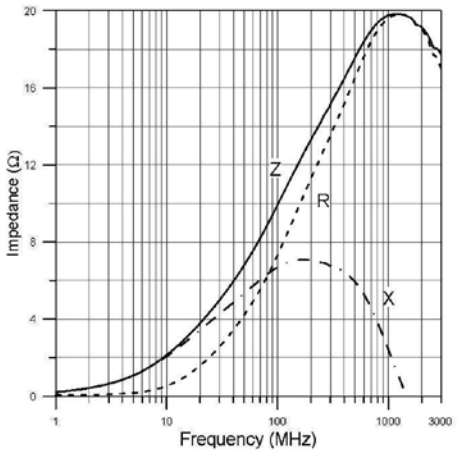
MU0603 Series			
DWG. No.	Impedance (Ω) At 100MHz	DC Resistance (Ω) max.	Rated Current (mA) max.
MU0603100YS□-□□□	10.0±25%	0.10	500
MU0603300YS□-□□□	30.0±25%	0.30	300
MU0603400YS□-□□□	40.0±25%	0.30	300
MU0603500YS□-□□□	50.0±25%	0.30	300
MU0603600YS□-□□□	60.0±25%	0.35	300
MU0603700YS□-□□□	70.0±25%	0.35	300
MU0603121YS□-□□□	120.0±25%	0.45	200
MU0603151YS□-□□□	150.0±25%	0.50	200
MU0603221YS□-□□□	220.0±25%	0.75	200
MU0603241YS□-□□□	240.0±25%	0.80	200
MU0603301YS□-□□□	300.0±25%	0.90	150
MU0603331YS□-□□□	330.0±25%	0.90	150
MU0603471YS□-□□□	470.0±25%	1.50	100
MU0603601YS□-□□□	600.0±25%	1.50	100
MU0603102YS□-□□□	1000.0±25%	2.50	100

MU1005 Series			
DWG. No.	Impedance (Ω) At 100MHz	DC Resistance (Ω) max.	Rated Current (mA) max.
MU1005100YS□-□□□	10.0±25%	0.05	500
MU1005300YS□-□□□	30.0±25%	0.20	300
MU1005600YS□-□□□	60.0±25%	0.40	200
MU1005700YS□-□□□	70.0±25%	0.40	200
MU1005800YS□-□□□	80.0±25%	0.40	200
MU1005101YS□-□□□	100.0±25%	0.45	200
MU1005121YS□-□□□	120.0±25%	0.50	200
MU1005151YS□-□□□	150.0±25%	0.60	200
MU1005181YS□-□□□	180.0±25%	0.65	100
MU1005221YS□-□□□	220.0±25%	0.70	100
MU1005301YS□-□□□	300.0±25%	0.75	100
MU1005331YS□-□□□	330.0±25%	0.75	100
MU1005471YS□-□□□	470.0±25%	0.90	100
MU1005501YS□-□□□	500.0±25%	1.00	100
MU1005601YS□-□□□	600.0±25%	1.10	50
MU1005102YS□-□□□	1000.0±25%	1.50	50

MU1608 Series			
DWG. No.	Impedance (Ω) At 100MHz	DC Resistance (Ω) max.	Rated Current (mA) max.
MU1608190YS□-□□□	19.0±25%	0.10	400
MU1608310YS□-□□□	31.0±25%	0.10	400
MU1608520YS□-□□□	52.0±25%	0.15	400
MU1608600YS□-□□□	60.0±25%	0.15	400
MU1608700YS□-□□□	70.0±25%	0.15	400
MU1608800YS□-□□□	80.0±25%	0.15	400
MU1608101YS□-□□□	100.0±25%	0.15	400
MU1608121YS□-□□□	120.0±25%	0.15	400
MU1608151YS□-□□□	150.0±25%	0.15	400
MU1608181YS□-□□□	180.0±25%	0.20	400
MU1608201YS□-□□□	200.0±25%	0.20	400
MU1608221YS□-□□□	220.0±25%	0.20	400
MU1608301YS□-□□□	300.0±25%	0.30	400
MU1608401YS□-□□□	400.0±25%	0.30	400
MU1608451YS□-□□□	450.0±25%	0.30	400
MU1608501YS□-□□□	500.0±25%	0.35	400
MU1608601YS□-□□□	600.0±25%	0.35	400
MU1608751YS□-□□□	750.0±25%	0.35	400
MU1608102YS□-□□□	1000.0±25%	0.55	300
MU1608152YS□-□□□	1500.0±25%	0.60	200
MU2029 Series			
DWG. No.	Impedance (Ω) At 100MHz	DC Resistance (Ω) max.	Rated Current (mA) max.
MU2029110YS□-□□□	11.0±25%	0.10	300
MU2029260YS□-□□□	26.0±25%	0.10	300
MU2029310YS□-□□□	31.0±25%	0.10	300
MU2029520YS□-□□□	52.0±25%	0.15	300
MU2029600YS□-□□□	60.0±25%	0.15	300
MU2029800YS□-□□□	80.0±25%	0.15	300
MU2029101YS□-□□□	100.0±25%	0.20	300
MU2029121YS□-□□□	120.0±25%	0.20	300
MU2029151YS□-□□□	150.0±25%	0.20	300
MU2029221YS□-□□□	220.0±25%	0.25	300
MU2029301YS□-□□□	300.0±25%	0.25	300
MU2029401YS□-□□□	400.0±25%	0.30	300
MU2029531YS□-□□□	530.0±25%	0.35	300
MU2029601YS□-□□□	600.0±25%	0.35	300
MU2029102YS□-□□□	1000.0±25%	0.45	300
MU2029152YS□-□□□	1500.0±25%	0.70	300

1. Electrical specifications at 25°C

MU0603100YS□



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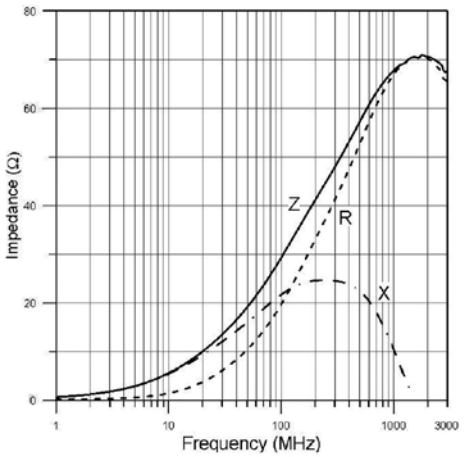

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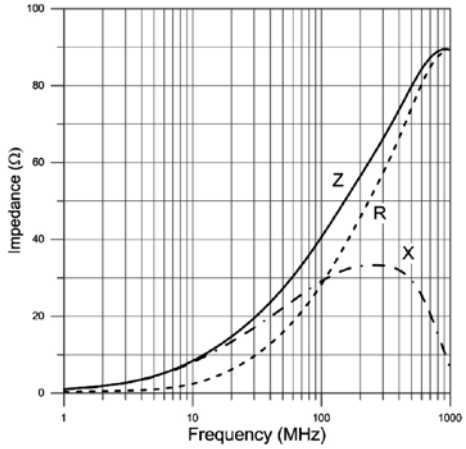

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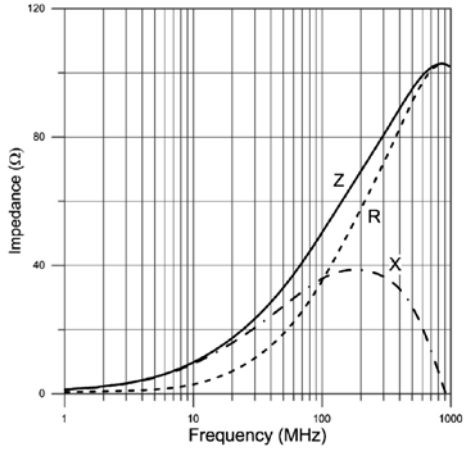

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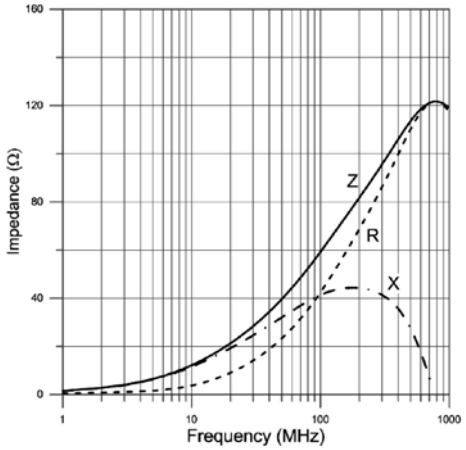

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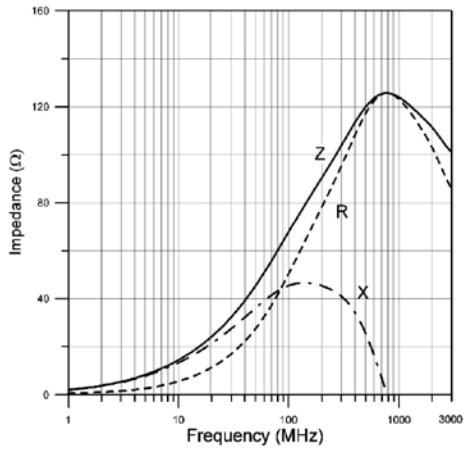

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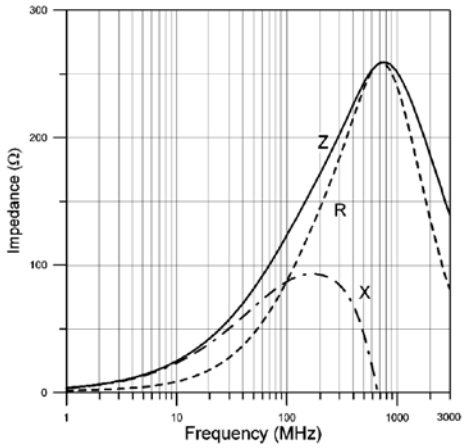

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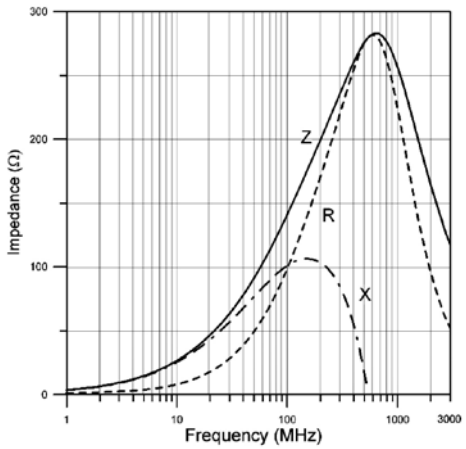

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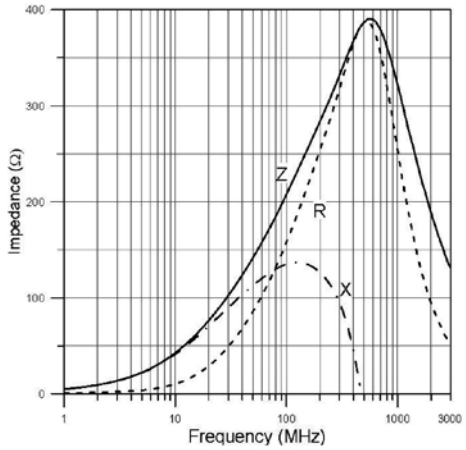

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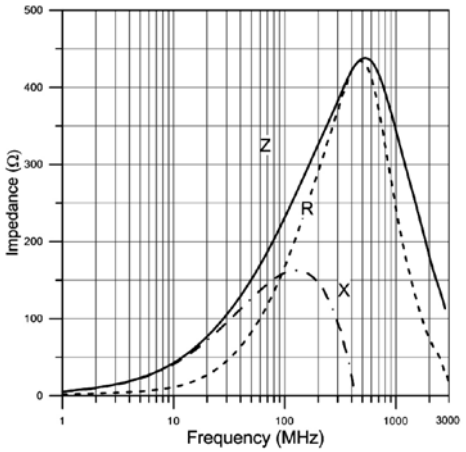

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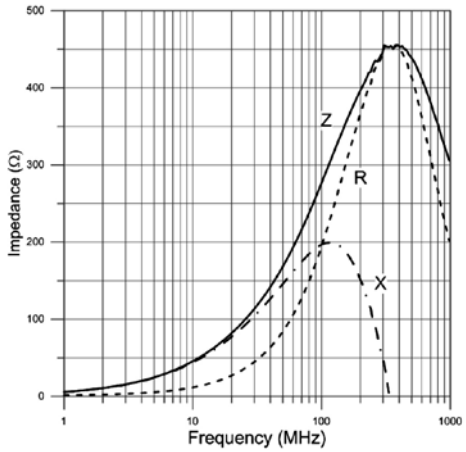

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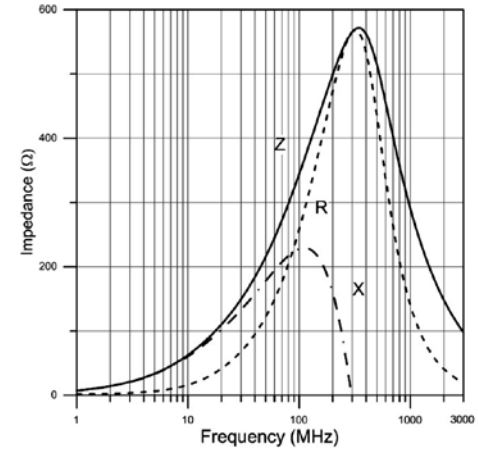

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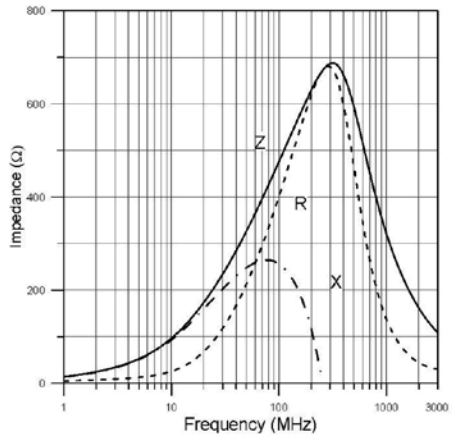

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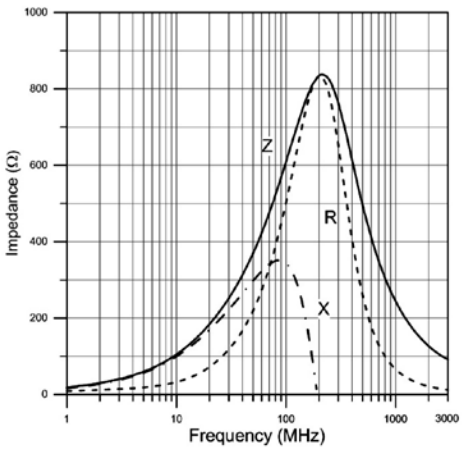

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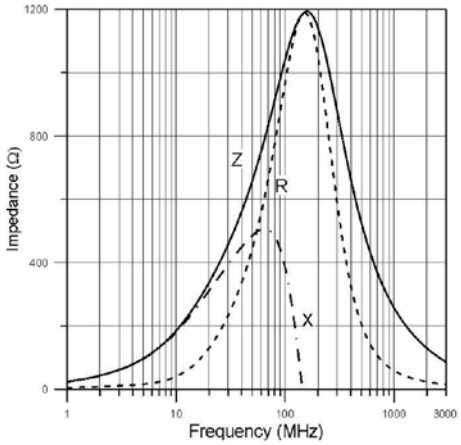

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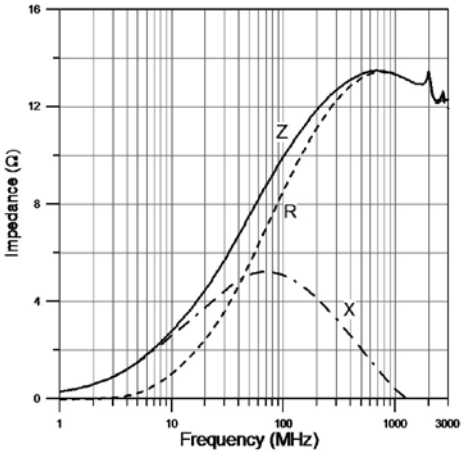

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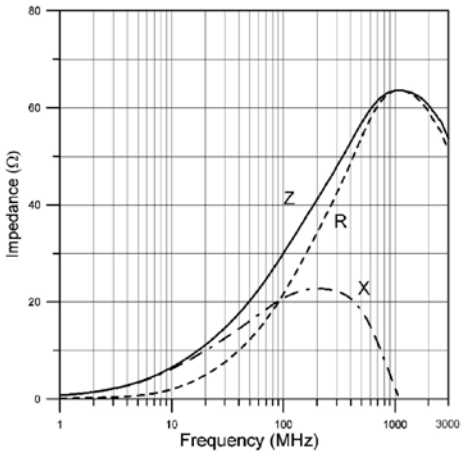

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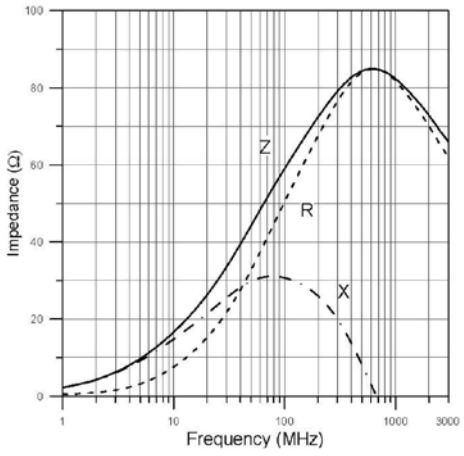

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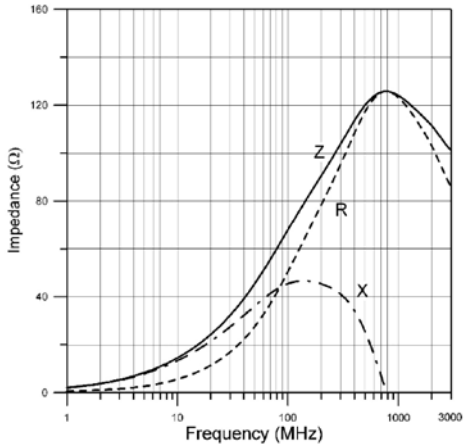

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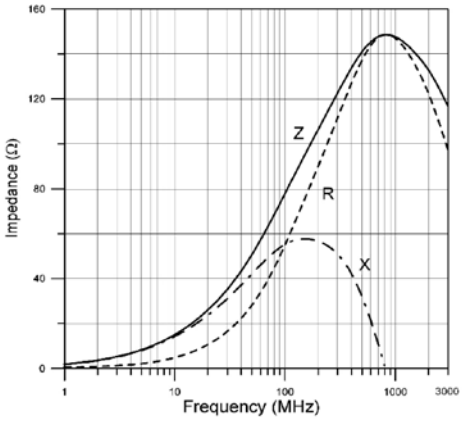

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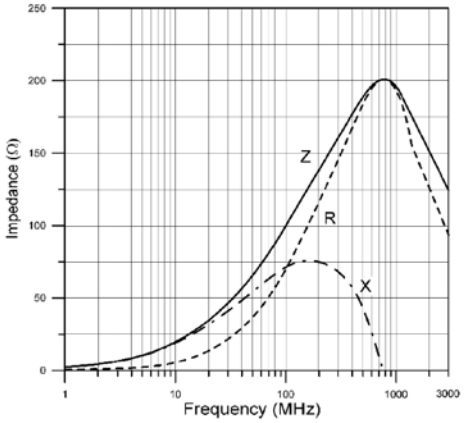

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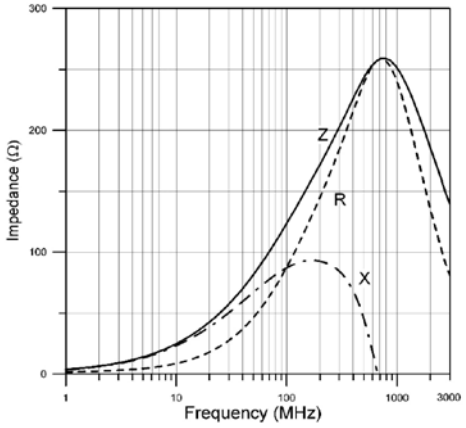

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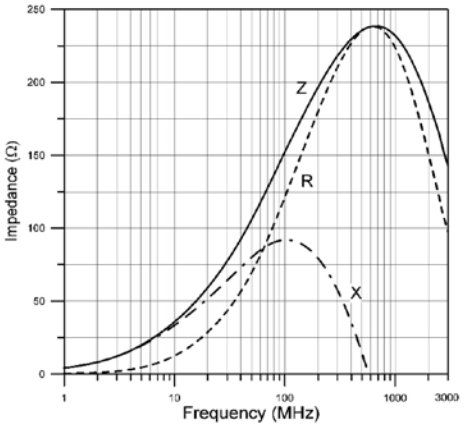

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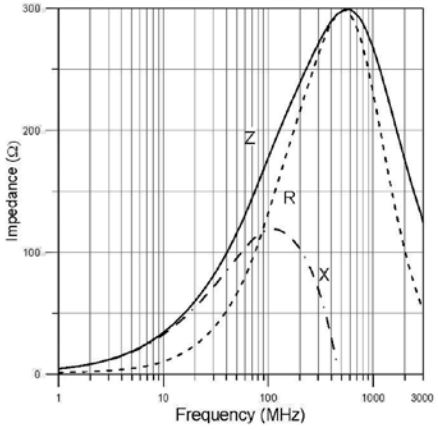

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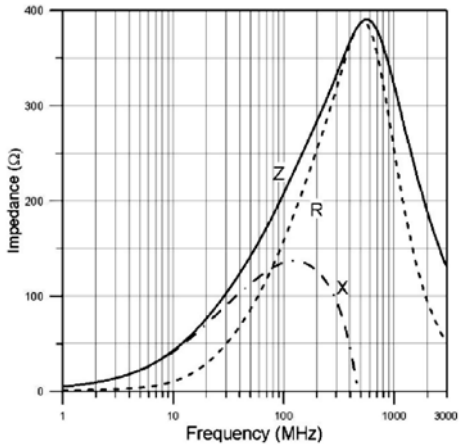

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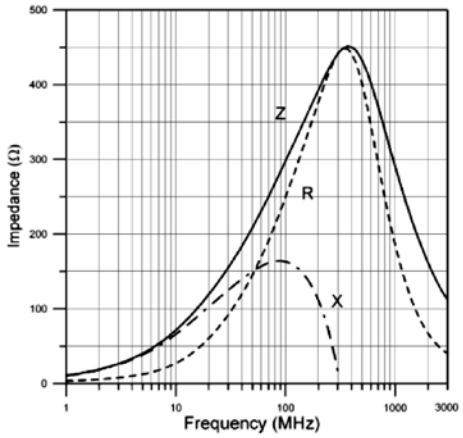

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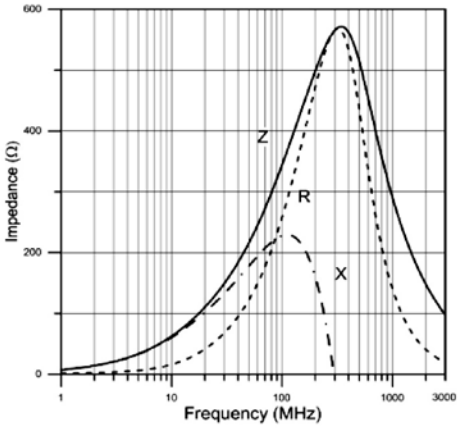

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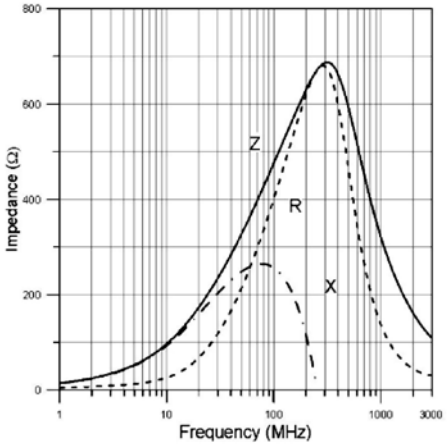

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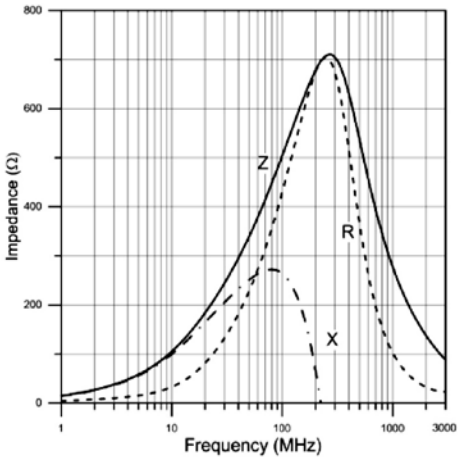

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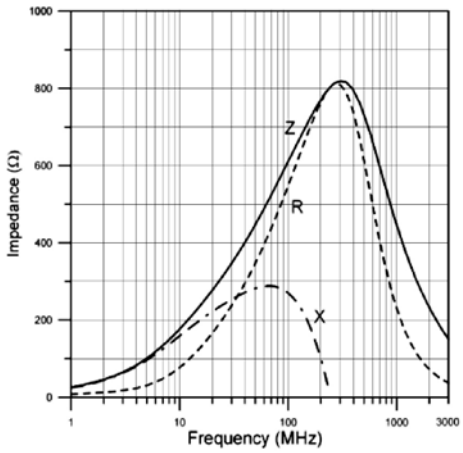

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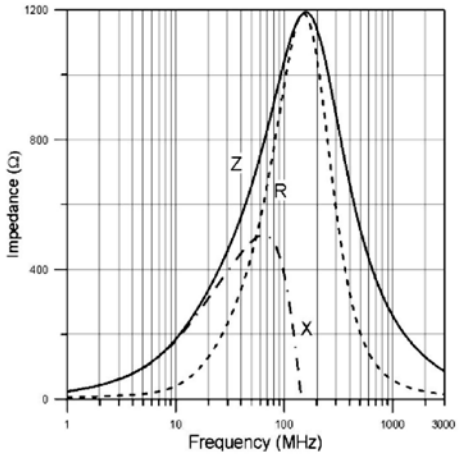

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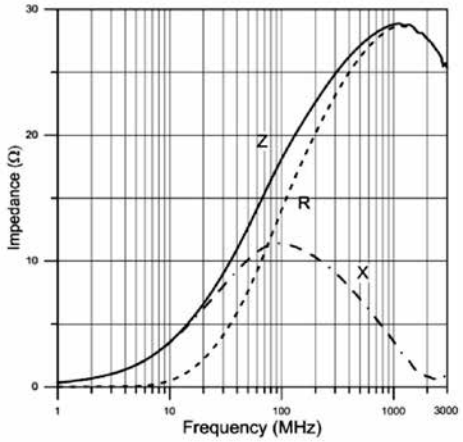

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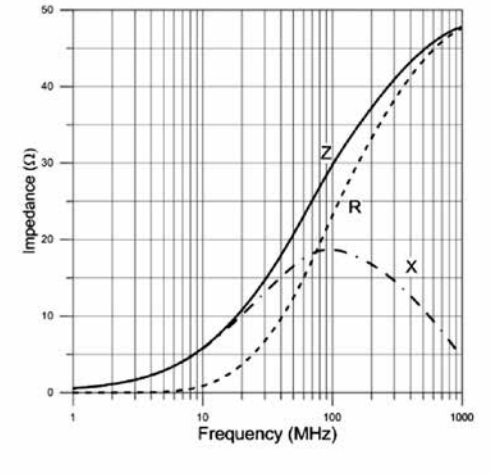

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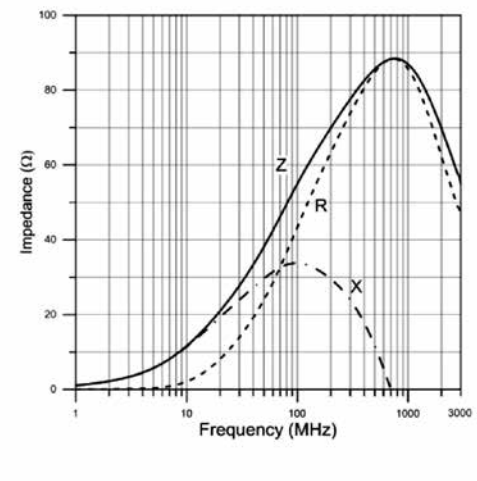

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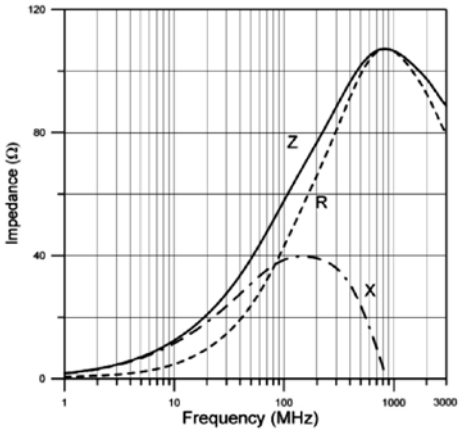

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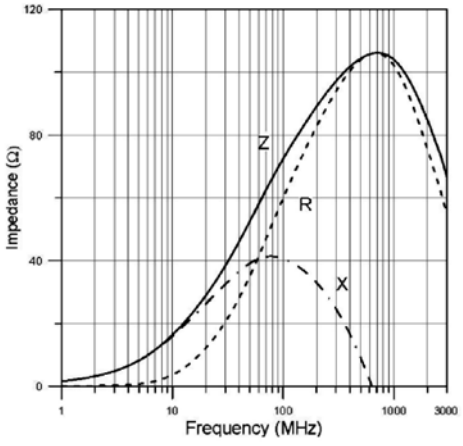

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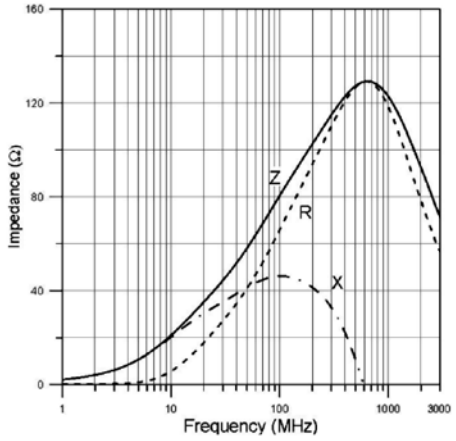

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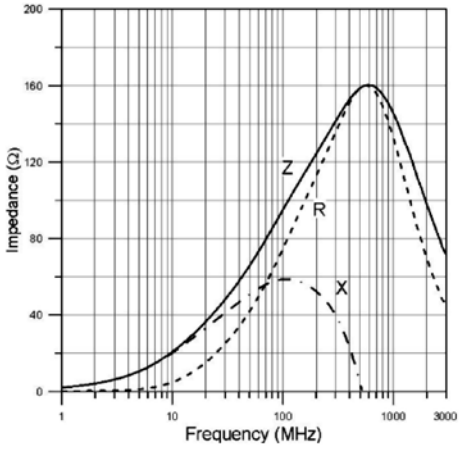

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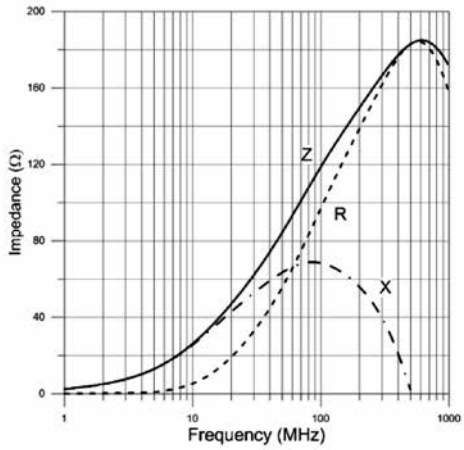

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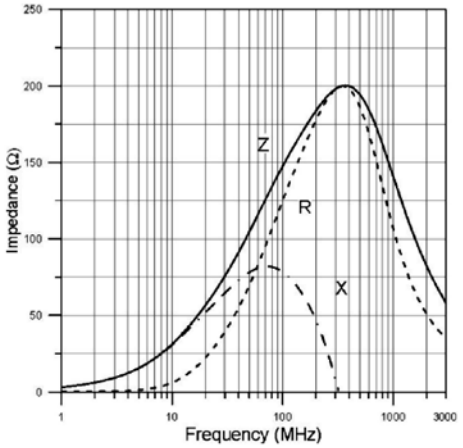

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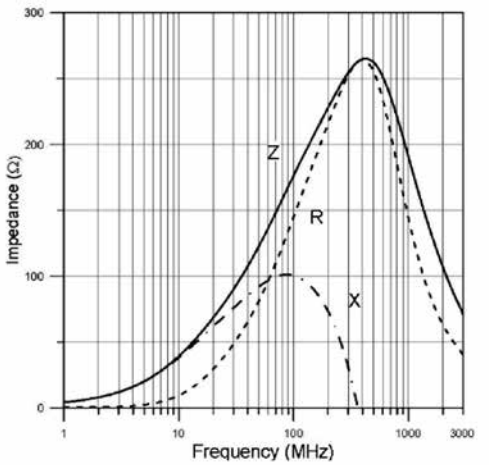

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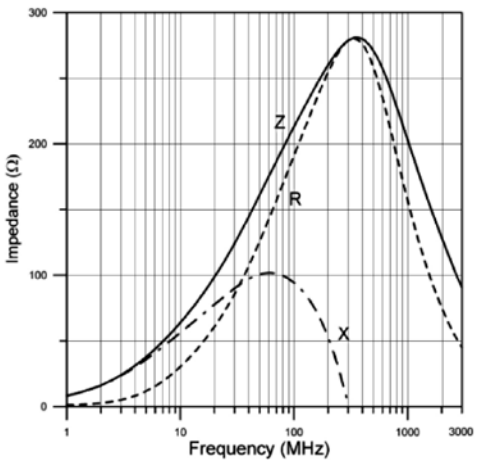

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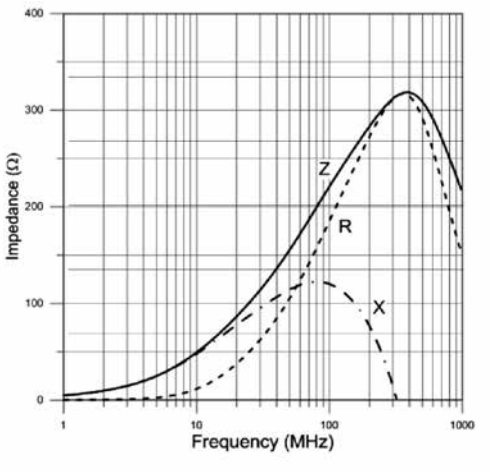

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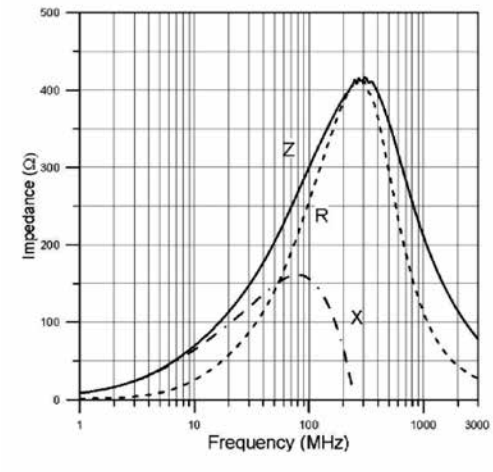

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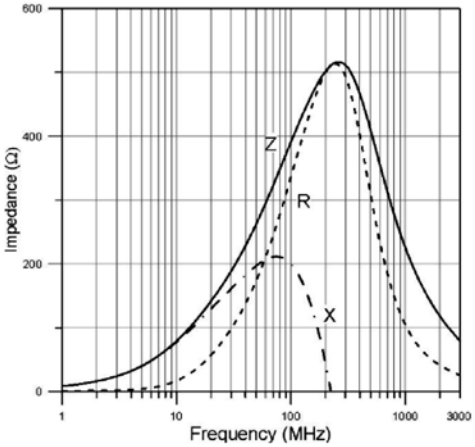

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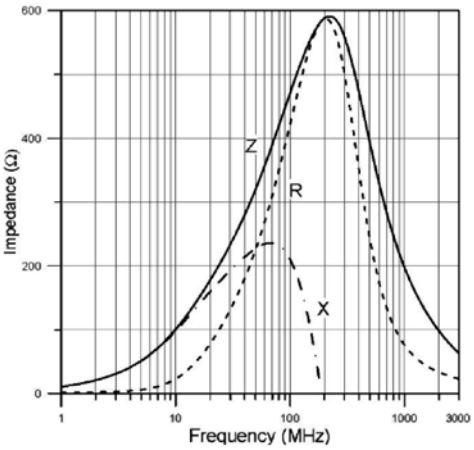

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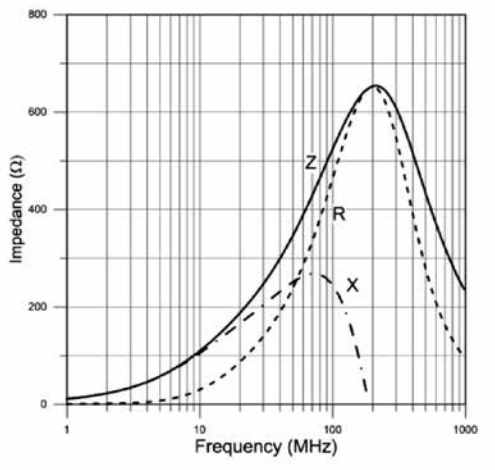

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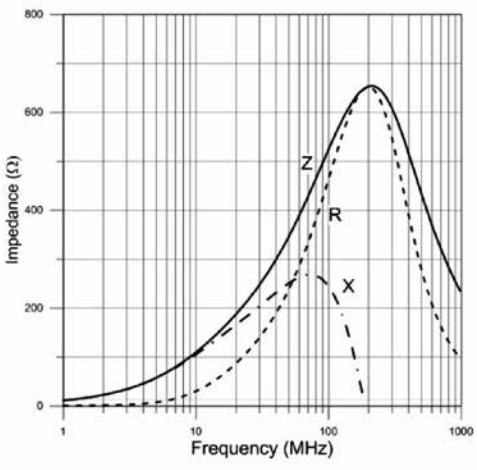
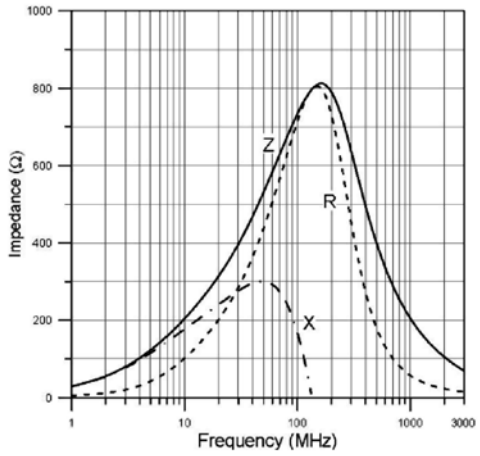


• All specifications are subject to change without notice.

MU1608751YS□



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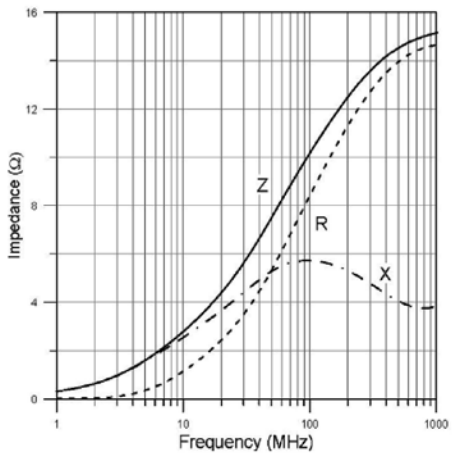

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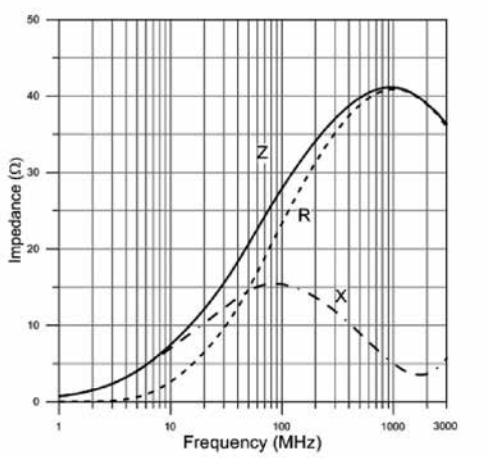

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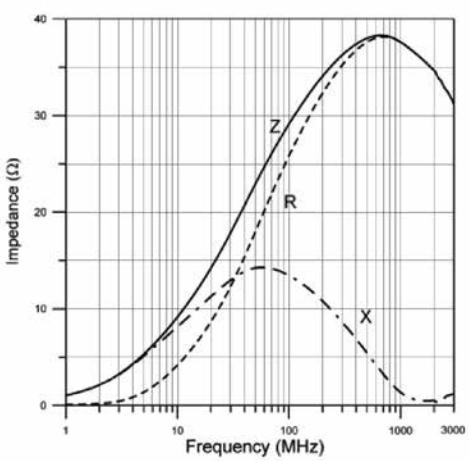

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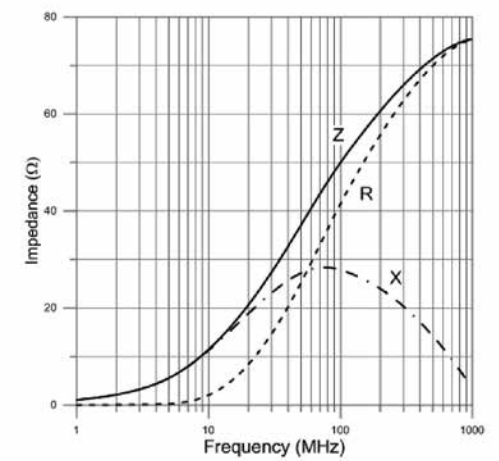

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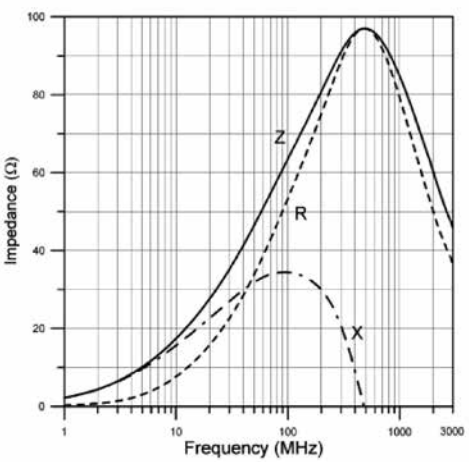

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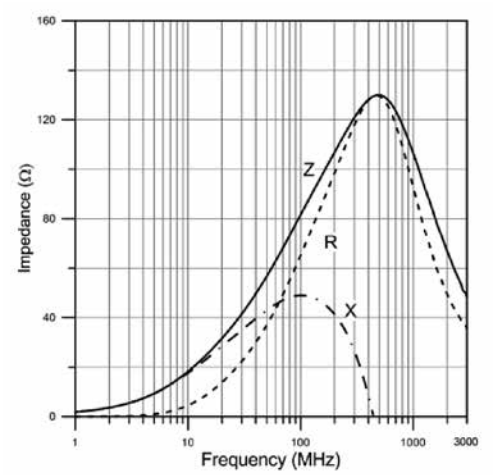

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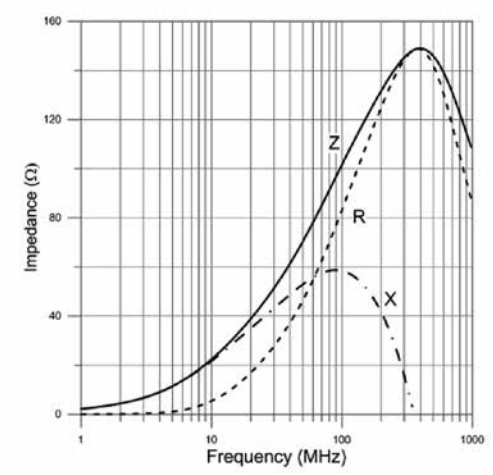

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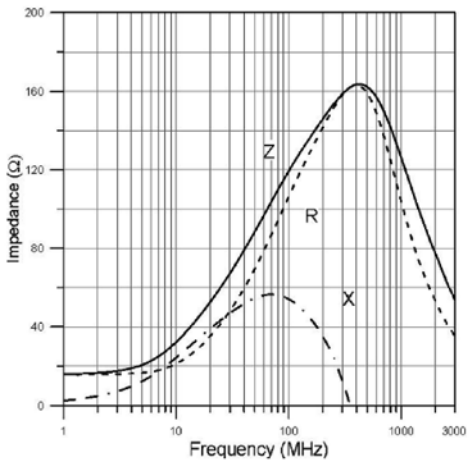

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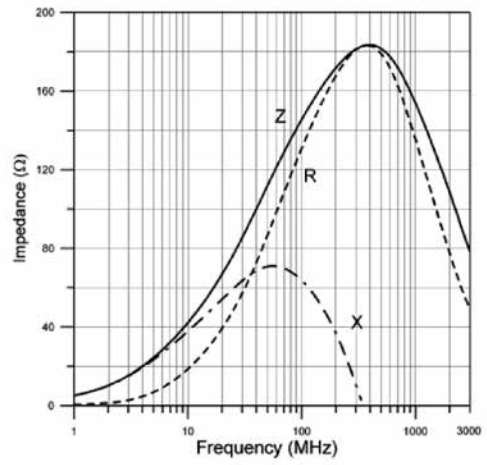

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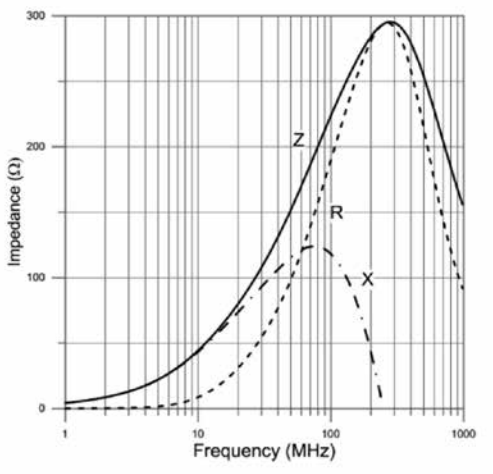

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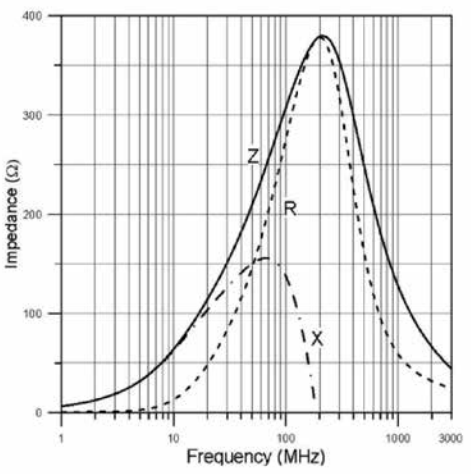

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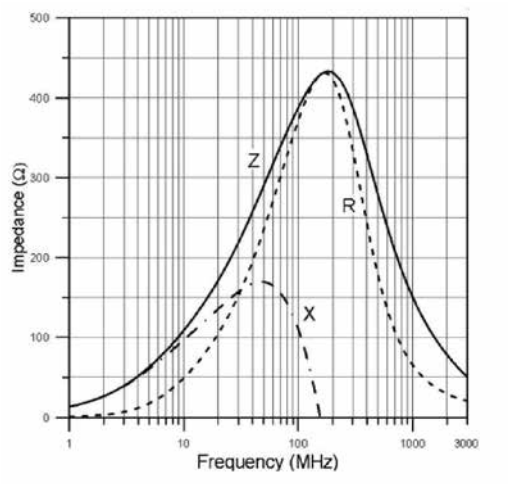

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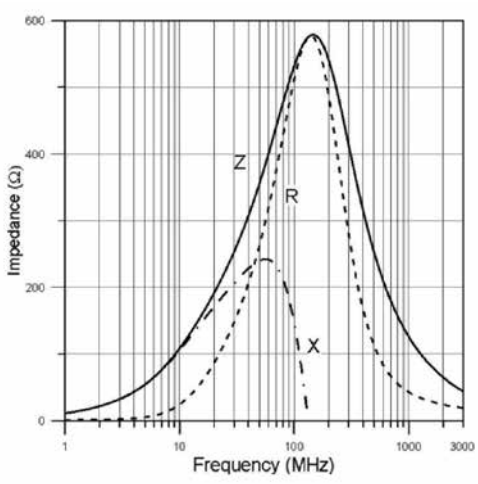

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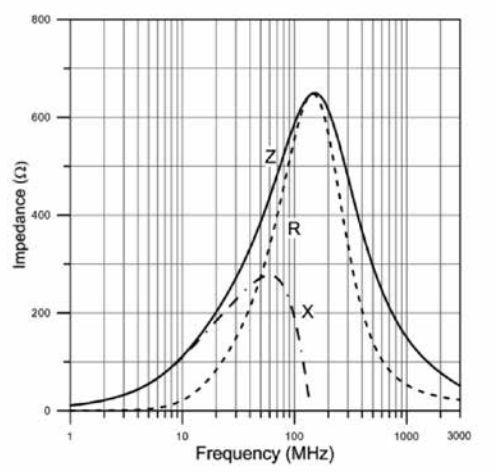

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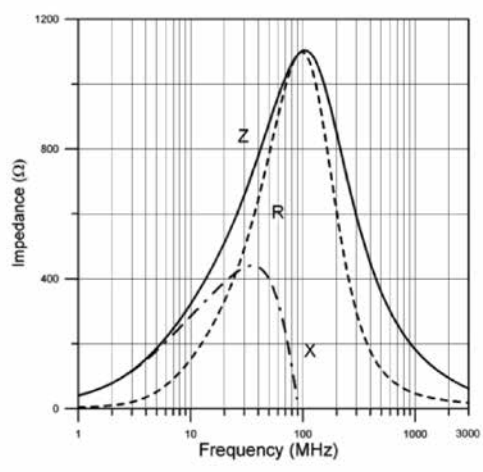

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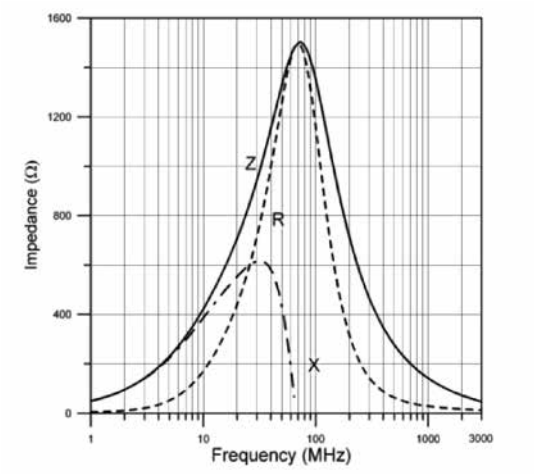
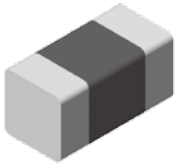
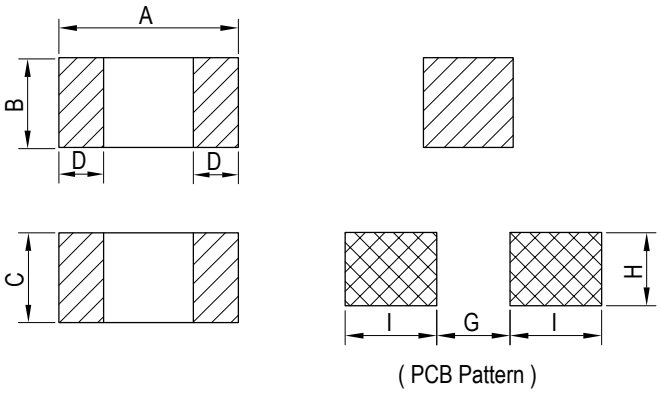


MB SERIES

1005 / 1608 / 2029

High Current





(PCB Pattern)

Unit: mm

Series	A	B	C	D	G	H	I
MB1005	1.00±0.10	0.50±0.10	0.50±0.10	0.20±0.10	0.40	0.40	0.50
MB1608	1.60±0.20	0.80±0.20	0.80±0.20	0.30±0.20	0.70	0.70	0.70
MB2029	2.00±0.20	1.20±0.20	0.90±0.20	0.50±0.30	0.80	1.00	1.00

MB

Features

- Noise reduction for data line
- High current
- Operating temp.: -55°C ~ +125°C (including self-temperature rise)

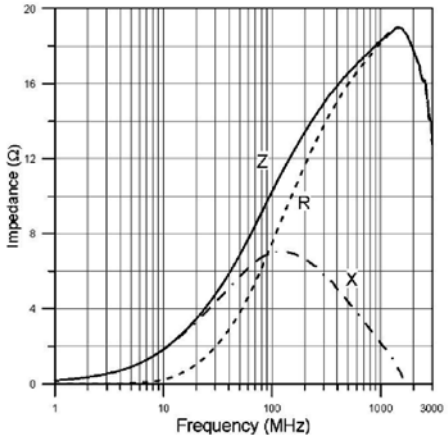
Application

- Noise reduction for general circuits

MB1005 Series			
DWG. No.	Impedance (Ω) At 100MHz	DC Resistance (Ω) max.	Rated Current (mA) max.
MB1005100YS□-□□□	10.0±25%	0.030	2000
MB1005300YS□-□□□	30.0±25%	0.035	2200
MB1005600YS□-□□□	60.0±25%	0.075	1500
MB1005700YS□-□□□	70.0±25%	0.090	1200
MB1005800YS□-□□□	80.0±25%	0.100	1000
MB1005101YS□-□□□	100.0±25%	0.090	1200
MB1005121YS□-□□□	120.0±25%	0.075	1500
MB1005181YS□-□□□	180.0±25%	0.140	1000
MB1608 Series			
DWG. No.	Impedance (Ω) At 100MHz	DC Resistance (Ω) max.	Rated Current (mA) max.
MB1608190YS□-□□□	19.0±25%	0.04	3000
MB1608220YS□-□□□	22.0±25%	0.04	3000
MB1608310YS□-□□□	31.0±25%	0.04	3000
MB1608330YS□-□□□	33.0±25%	0.04	3000
MB1608500YS□-□□□	50.0±25%	0.04	3000
MB1608600YS□-□□□	60.0±25%	0.04	3000
MB1608700YS□-□□□	70.0±25%	0.04	3000
MB1608800YS□-□□□	80.0±25%	0.04	3000
MB1608101YS□-□□□	100.0±25%	0.04	3000
MB1608121YS□-□□□	120.0±25%	0.04	3000
MB1608151YS□-□□□	150.0±25%	0.05	2000
MB1608181YS□-□□□	180.0±25%	0.08	2000
MB1608221YS□-□□□	220.0±25%	0.08	2000
MB1608301YS□-□□□	300.0±25%	0.10	2000
MB1608601YS□-□□□	600.0±25%	0.20	1000
MB1608102YS□-□□□	1000.0±25%	0.20	1000
MB2029 Series			
DWG. No.	Impedance (Ω) At 100MHz	DC Resistance (Ω) max.	Rated Current (mA) max.
MB2029170YS□-□□□	17.0±25%	0.03	3000
MB2029310YS□-□□□	31.0±25%	0.03	3000
MB2029470YS□-□□□	47.0±25%	0.03	3000
MB2029500YS□-□□□	50.0±25%	0.03	3000
MB2029600YS□-□□□	60.0±25%	0.04	3000
MB2029800YS□-□□□	80.0±25%	0.04	3000
MB2029101YS□-□□□	100.0±25%	0.04	3000
MB2029121YS□-□□□	120.0±25%	0.04	3000
MB2029181YS□-□□□	181.0±25%	0.05	3000
MB2029221YS□-□□□	220.0±25%	0.05	3000
MB2029301YS□-□□□	300.0±25%	0.05	3000
MB2029471YS□-□□□	470.0±25%	0.10	2000
MB2029601YS□-□□□	600.0±25%	0.10	2000
MB2029751YS□-□□□	750.0±25%	0.30	1000
MB2029102YS□-□□□	1000.0±25%	0.30	1000
MB2029122YS□-□□□	1200.0±25%	0.30	1000
MB2029152YS□-□□□	1500.0±25%	0.30	1000

1. Electrical specifications at 25°C

MB1005100SL□



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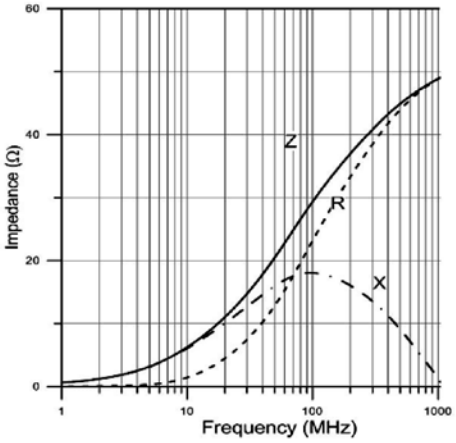

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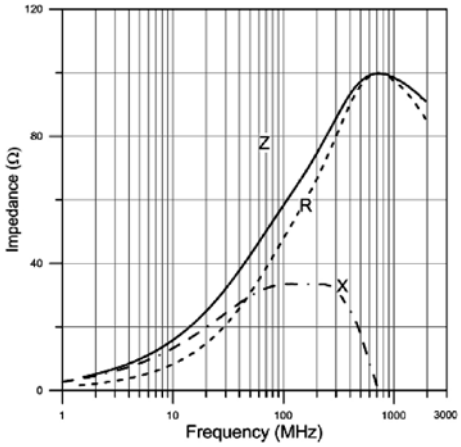

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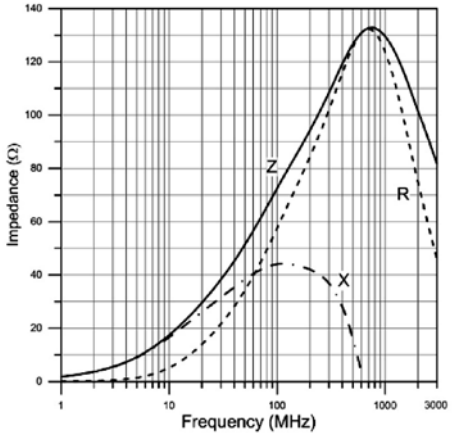

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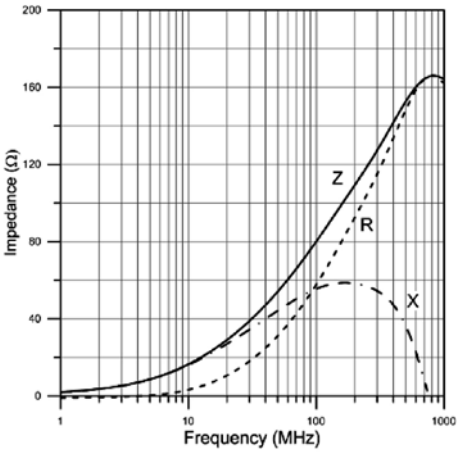

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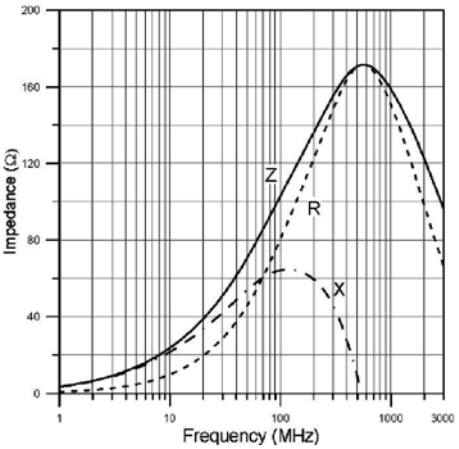

• All specifications are subject to change without notice.

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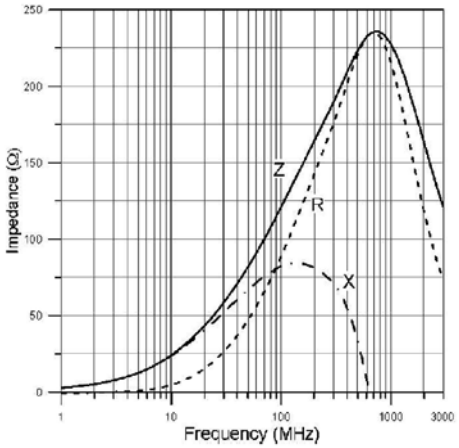

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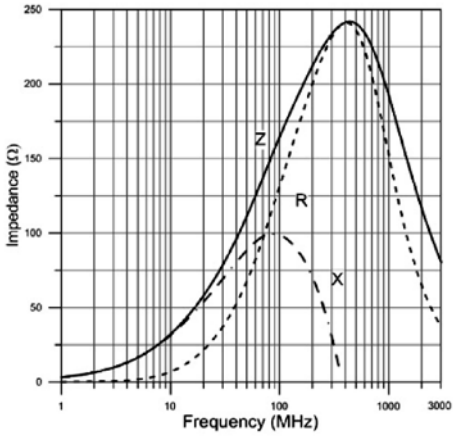

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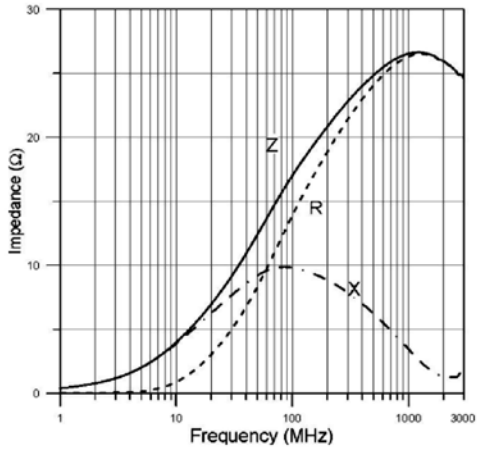

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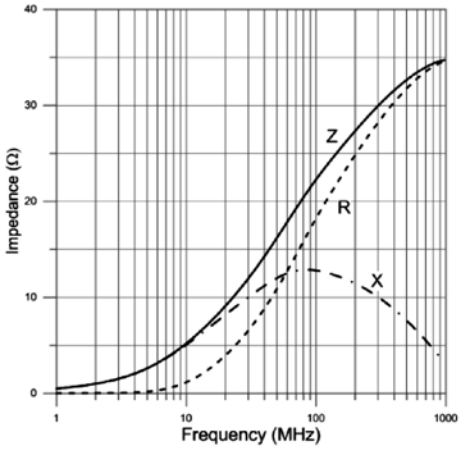

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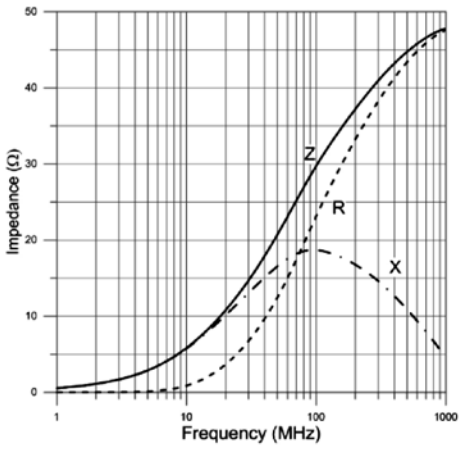

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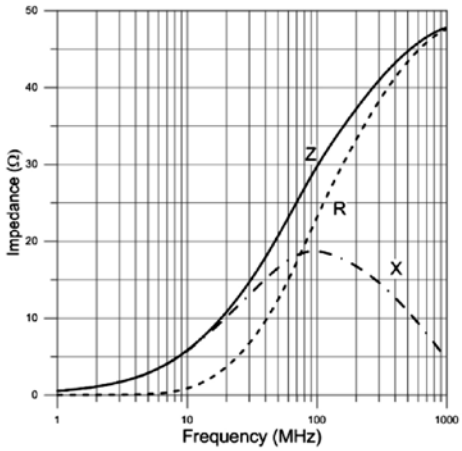

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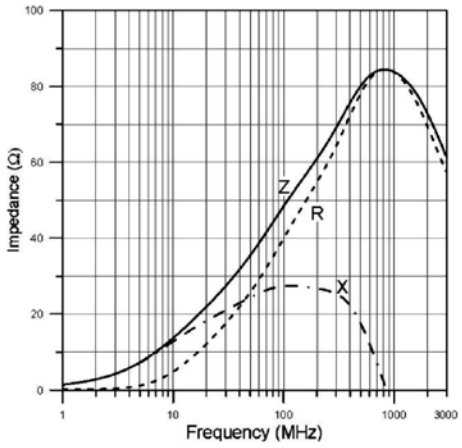

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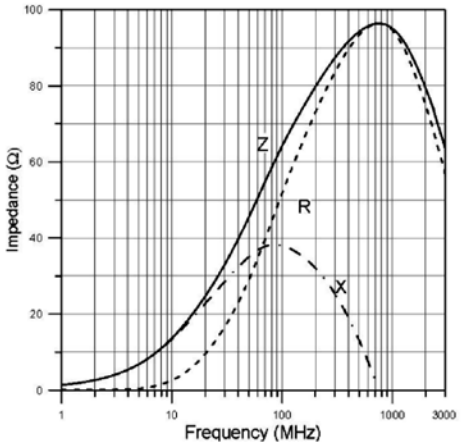

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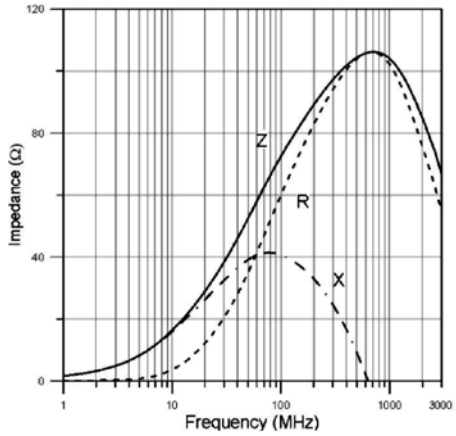

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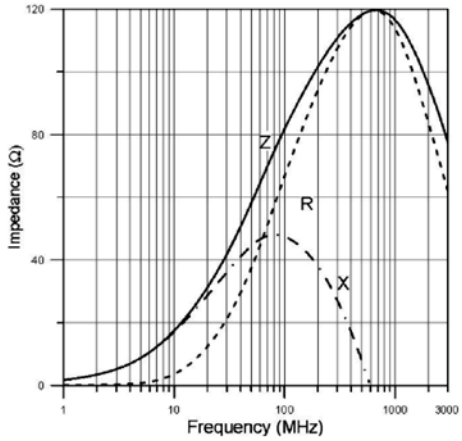

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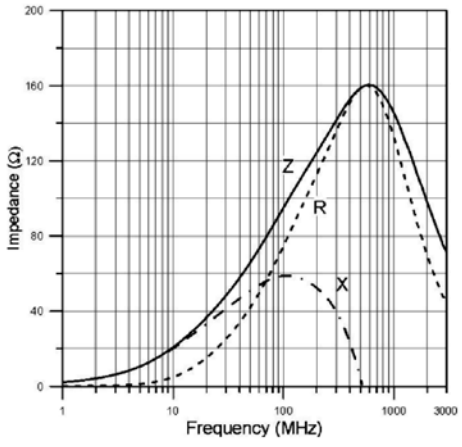

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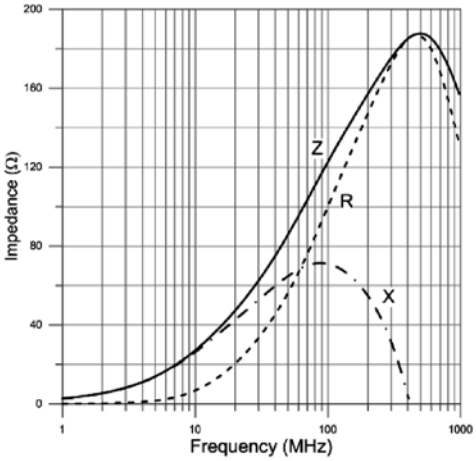

• All specifications are subject to change without notice.

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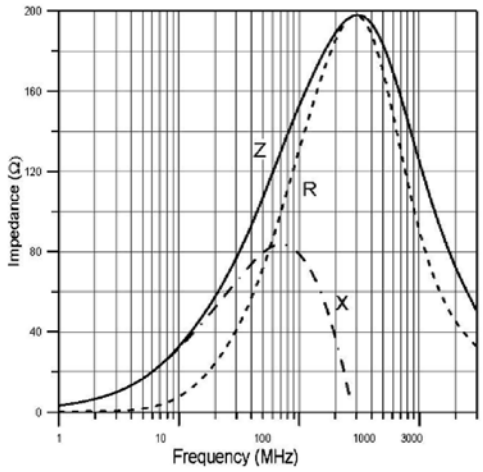

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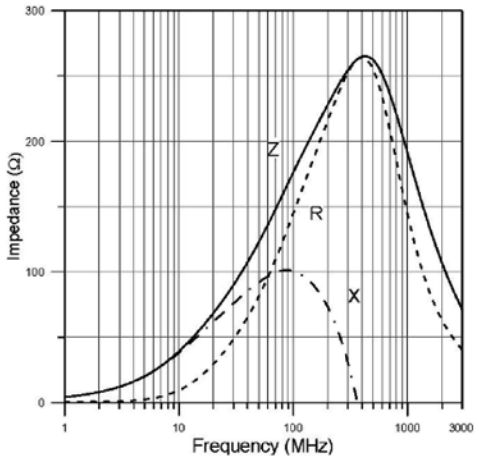

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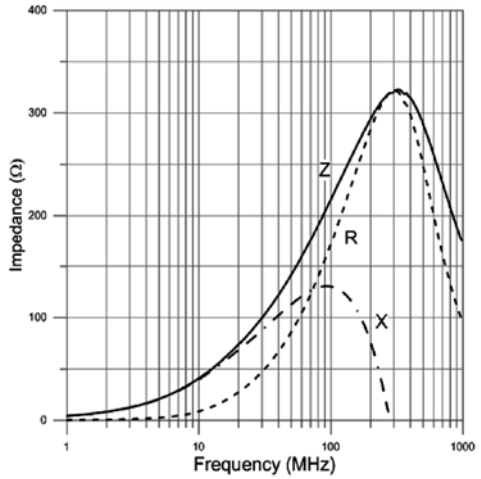

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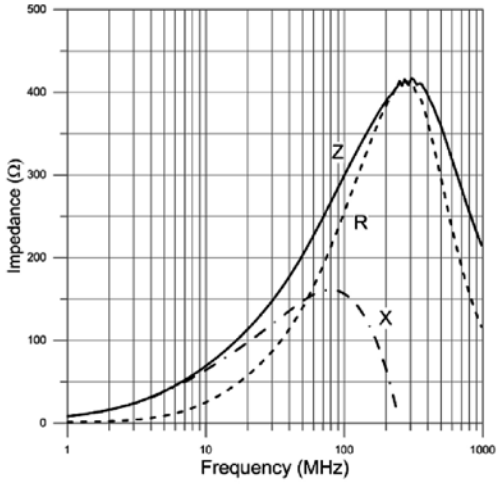

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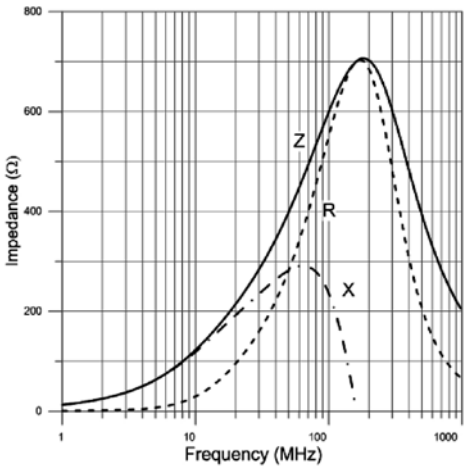

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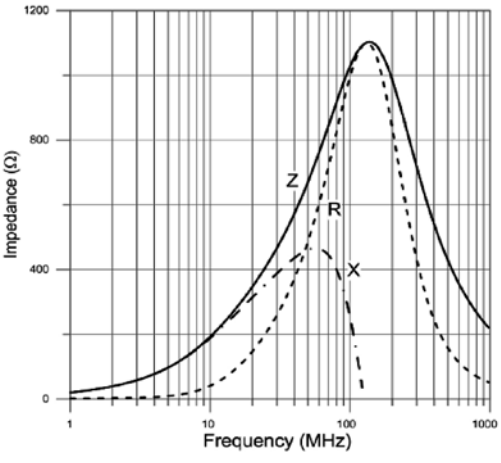

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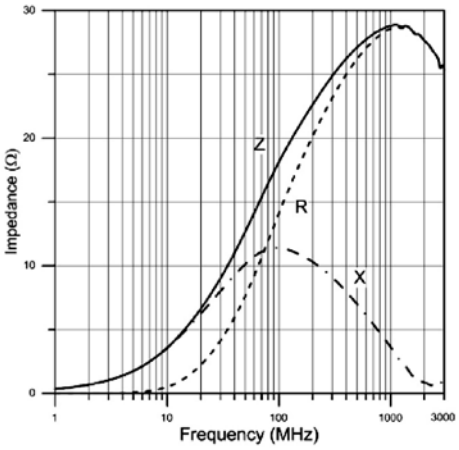

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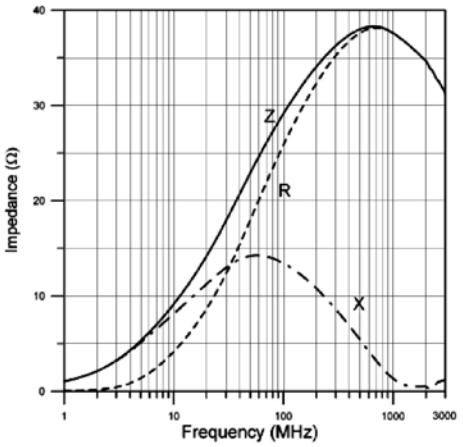

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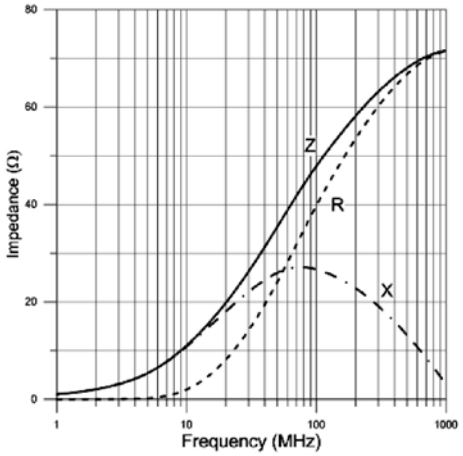

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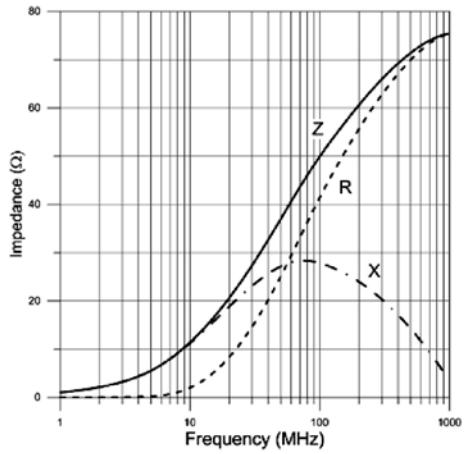

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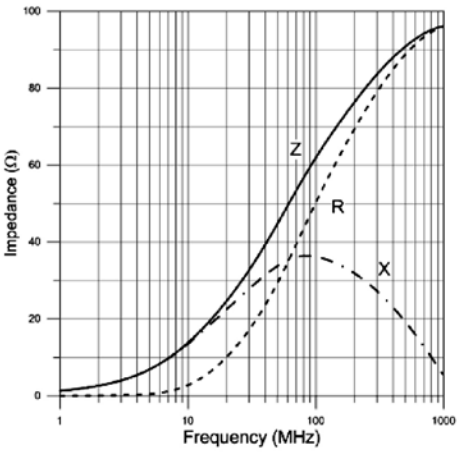

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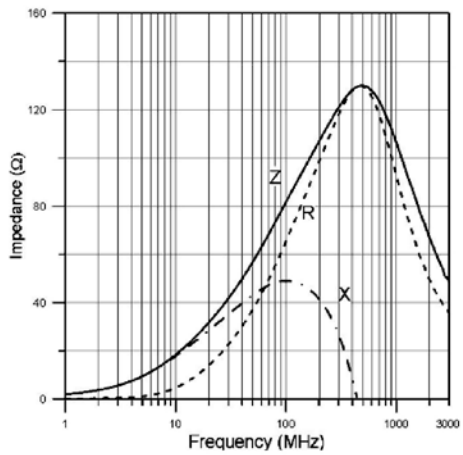

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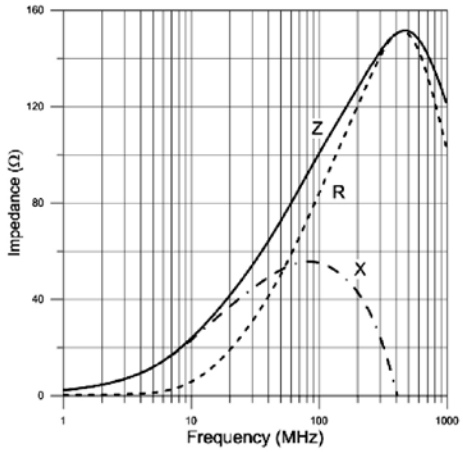

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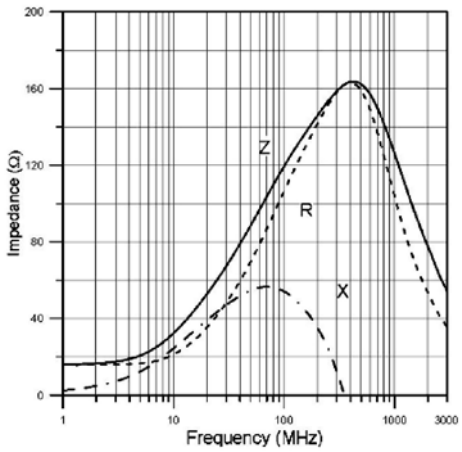

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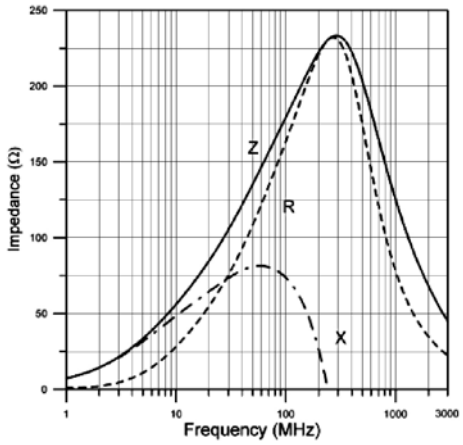

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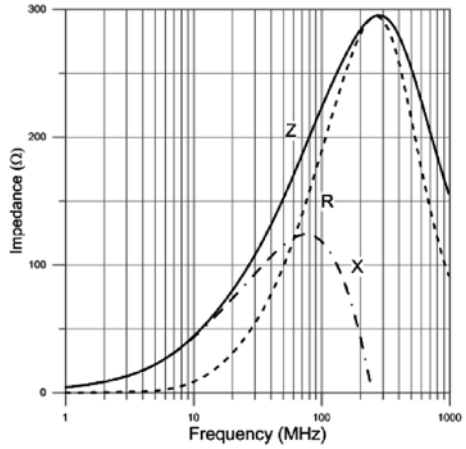

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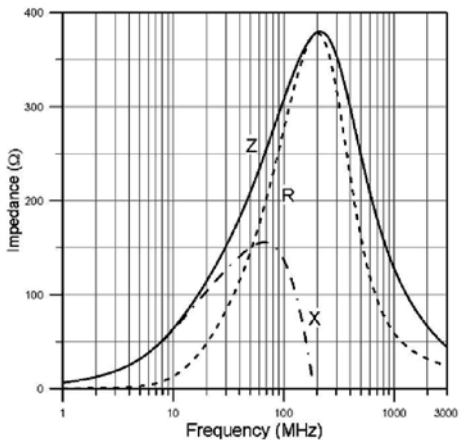

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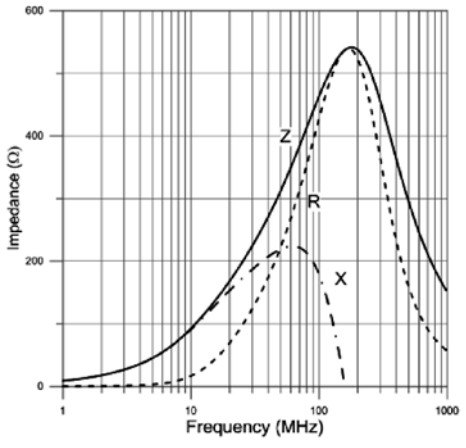

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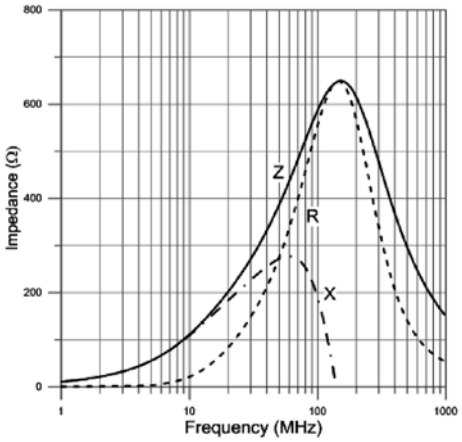

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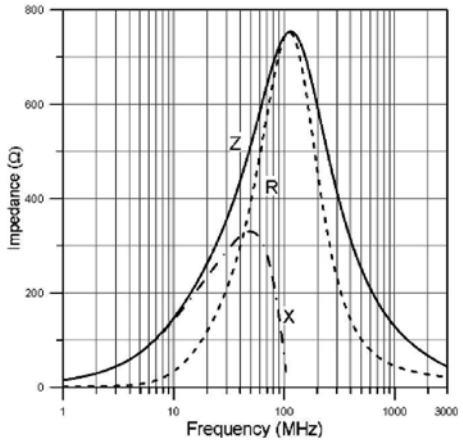

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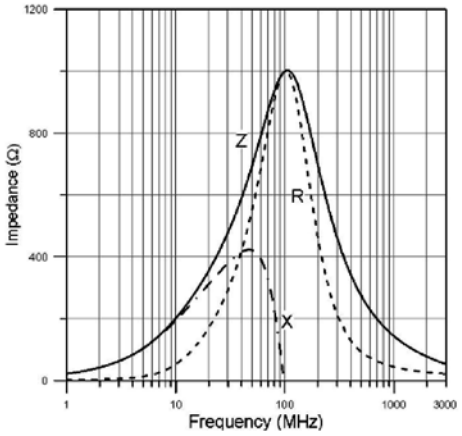

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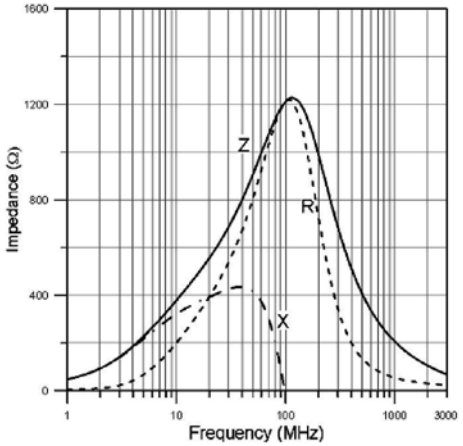

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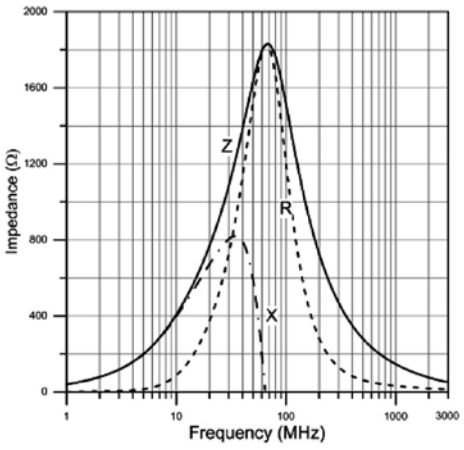
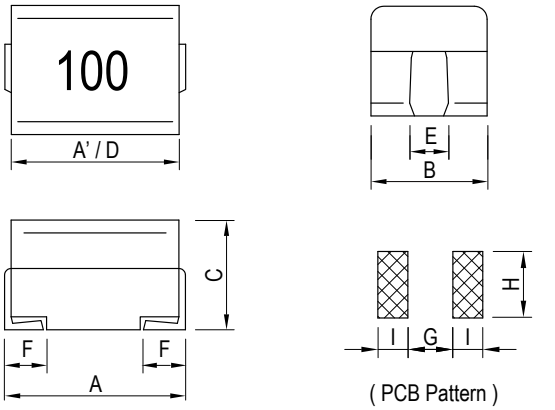


CM SERIES

3225 / 4532

Standard



Unit: mm

Series	A	A'	B	C	D	E	F	G	H	I
CM3225	3.20±0.40	2.90±0.20	2.50±0.20	2.20±0.20	-	1.00±0.20	$0.60^{+0.30}_{-0.00}$	1.80	1.40	1.00
CM4532	4.50±0.30	-	3.20±0.20	3.20±0.20	4.20±0.20	1.20	$1.00^{+0.30}_{-0.00}$	2.20	1.60	1.50

Features

- Heat-resistant molded resin housing
- Excellent mechanical strength
- Wide range of L values from 0.1 to 1,000 μH
- Operating temp.: -40°C ~ +125°C (including self-temperature rise)

compliant RoHS

Application

- Wireless communication
- Portable devices

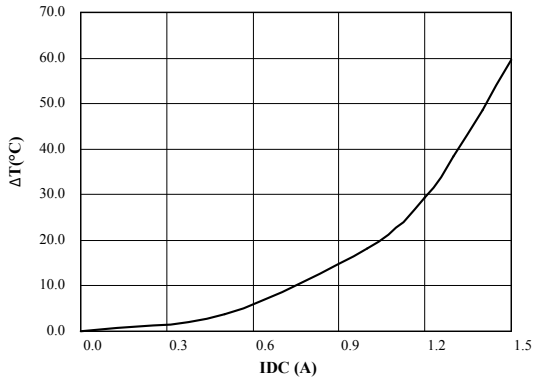
CM

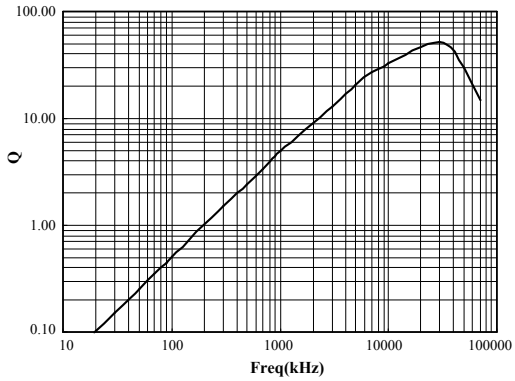
CM3225 Series							
DWG. No.	Inductance (µH)	Tolerance	Q min.	Test Freq. (MHz)	SRF (MHz) typ.	RDC (Ω) max.	IDC (mA) max.
CM3225R12□S□-□□□	0.12	K, M	30	25.200	875	0.22	450
CM3225R15□S□-□□□	0.15	K, M	30	25.200	860	0.25	450
CM3225R18□S□-□□□	0.18	K, M	30	25.200	685	0.28	450
CM3225R22□S□-□□□	0.22	K, M	30	25.200	560	0.32	450
CM3225R27□S□-□□□	0.27	K, M	30	25.200	525	0.36	450
CM3225R33□S□-□□□	0.33	K, M	30	25.200	520	0.40	450
CM3225R39□S□-□□□	0.39	K, M	30	25.200	470	0.45	450
CM3225R47□S□-□□□	0.47	K, M	30	25.200	430	0.50	450
CM3225R56□S□-□□□	0.56	K, M	30	25.200	395	0.55	450
CM3225R68□S□-□□□	0.68	K, M	30	25.200	370	0.60	450
CM3225R82□S□-□□□	0.82	K, M	30	25.200	310	0.65	450
CM32251R0□S□-□□□	1.00	J, K, M	30	7.960	295	0.70	400
CM32251R2□S□-□□□	1.20	J, K, M	30	7.960	255	0.75	390
CM32251R5□S□-□□□	1.50	J, K, M	30	7.960	160	0.85	370
CM32251R8□S□-□□□	1.80	J, K, M	30	7.960	125	0.90	350
CM32252R2□S□-□□□	2.20	J, K, M	30	7.960	100	1.00	320
CM32252R7□S□-□□□	2.70	J, K, M	30	7.960	65	1.10	290
CM32253R3□S□-□□□	3.30	J, K, M	30	7.960	55	1.20	260
CM32253R9□S□-□□□	3.90	J, K, M	30	7.960	50	1.30	250
CM32254R7□S□-□□□	4.70	J, K, M	30	7.960	45	1.50	220
CM32255R6□S□-□□□	5.60	J, K, M	30	7.960	40	1.60	200
CM32256R8□S□-□□□	6.80	J, K, M	30	7.960	35	1.80	180
CM32258R2□S□-□□□	8.20	J, K, M	30	7.960	30	2.00	170
CM3225100□S□-□□□	10.00	J, K, M	30	2.520	30	2.10	150
CM3225120□S□-□□□	12.00	J, K, M	30	2.520	28	2.50	140
CM3225150□S□-□□□	15.00	J, K, M	30	2.520	25	2.80	130
CM3225180□S□-□□□	18.00	J, K, M	30	2.520	22	3.30	120
CM3225220□S□-□□□	22.00	J, K, M	30	2.520	19	3.70	110
CM3225270□S□-□□□	27.00	J, K, M	30	2.520	18	5.00	80
CM3225330□S□-□□□	33.00	J, K, M	30	2.520	17	5.60	70
CM3225390□S□-□□□	39.00	J, K, M	30	2.520	15	6.40	65
CM3225470□S□-□□□	47.00	J, K, M	30	2.520	14	7.00	60
CM3225560□S□-□□□	56.00	J, K, M	30	2.520	13	8.00	55
CM3225680□S□-□□□	68.00	J, K, M	30	2.520	11	9.00	50
CM3225820□S□-□□□	82.00	J, K, M	30	2.520	10	10.00	45
CM3225101□S□-□□□	100.00	J, K, M	20	0.796	9	11.00	40
CM3225121□S□-□□□	120.00	J, K, M	20	0.796	8	11.00	70
CM3225151□S□-□□□	150.00	J, K, M	20	0.796	7	15.00	65

CM4532 Series							
DWG. No.	Inductance (μH)	Tolerance	Q min.	Test Freq. (MHz)	SRF (MHz) typ.	RDC (Ω) max.	IDC (mA) max.
CM4532R10□S□-□□□	0.10	K, M	35	25.200	780.0	0.18	800
CM4532R12□S□-□□□	0.12	K, M	35	25.200	735.0	0.20	770
CM4532R15□S□-□□□	0.15	K, M	35	25.200	615.0	0.22	730
CM4532R18□S□-□□□	0.18	K, M	35	25.200	570.0	0.24	700
CM4532R22□S□-□□□	0.22	K, M	40	25.200	505.0	0.25	665
CM4532R27□S□-□□□	0.27	K, M	40	25.200	450.0	0.26	635
CM4532R33□S□-□□□	0.33	K, M	40	25.200	425.0	0.28	605
CM4532R39□S□-□□□	0.39	K, M	40	25.200	390.0	0.30	575
CM4532R47□S□-□□□	0.47	K, M	40	25.200	350.0	0.32	545
CM4532R56□S□-□□□	0.56	K, M	40	25.200	325.0	0.36	520
CM4532R68□S□-□□□	0.68	K, M	40	25.200	300.0	0.40	500
CM4532R82□S□-□□□	0.82	K, M	40	25.200	275.0	0.45	475
CM45321R0□S□-□□□	1.00	J, K, M	50	7.960	250.0	0.50	450
CM45321R2□S□-□□□	1.20	J, K, M	50	7.960	240.0	0.55	430
CM45321R5□S□-□□□	1.50	J, K, M	50	7.960	210.0	0.60	410
CM45321R8□S□-□□□	1.80	J, K, M	50	7.960	190.0	0.65	390
CM45322R2□S□-□□□	2.20	J, K, M	50	7.960	160.0	0.70	380
CM45322R7□S□-□□□	2.70	J, K, M	50	7.960	150.0	0.75	370
CM45323R3□S□-□□□	3.30	J, K, M	50	7.960	110.0	0.80	355
CM45323R9□S□-□□□	3.90	J, K, M	50	7.960	100.0	0.90	330
CM45324R7□S□-□□□	4.70	J, K, M	50	7.960	80.0	1.00	315
CM45325R6□S□-□□□	5.60	J, K, M	50	7.960	50.0	1.10	300
CM45326R8□S□-□□□	6.80	J, K, M	50	7.960	35.0	1.20	285
CM45328R2□S□-□□□	8.20	J, K, M	50	7.960	28.0	1.40	270
CM4532100□S□-□□□	10.00	J, K, M	50	2.520	22.0	1.60	250
CM4532120□S□-□□□	12.00	J, K, M	50	2.520	20.0	2.00	225
CM4532150□S□-□□□	15.00	J, K, M	50	2.520	18.0	2.50	200
CM4532180□S□-□□□	18.00	J, K, M	50	2.520	16.0	2.80	190
CM4532220□S□-□□□	22.00	J, K, M	50	2.520	14.0	3.20	180
CM4532270□S□-□□□	27.00	J, K, M	50	2.520	13.0	3.60	170
CM4532330□S□-□□□	33.00	J, K, M	50	2.520	12.0	4.00	160
CM4532390□S□-□□□	39.00	J, K, M	50	2.520	11.0	4.50	150
CM4532470□S□-□□□	47.00	J, K, M	50	2.520	10.5	5.00	140
CM4532560□S□-□□□	56.00	J, K, M	50	2.520	10.0	5.50	135
CM4532680□S□-□□□	68.00	J, K, M	50	2.520	9.5	6.00	130
CM4532820□S□-□□□	82.00	J, K, M	50	2.520	8.5	7.00	120
CM4532101□S□-□□□	100.00	J, K, M	40	0.796	8.0	8.00	110
CM4532121□S□-□□□	120.00	J, K, M	40	0.796	7.0	8.00	110
CM4532151□S□-□□□	150.00	J, K, M	40	0.796	6.0	9.00	105
CM4532181□S□-□□□	180.00	J, K, M	40	0.796	5.5	9.50	102
CM4532221□S□-□□□	220.00	J, K, M	40	0.796	5.0	10.00	100
CM4532271□S□-□□□	270.00	J, K, M	40	0.796	4.5	12.00	92
CM4532331□S□-□□□	330.00	J, K, M	40	0.796	4.0	14.00	85
CM4532391□S□-□□□	390.00	J, K, M	40	0.796	3.5	18.00	80
CM4532471□S□-□□□	470.00	J, K, M	40	0.796	3.5	26.00	62
CM4532561□S□-□□□	560.00	J, K, M	30	0.796	3.0	30.00	50
CM4532681□S□-□□□	680.00	J, K, M	30	0.796	3.0	30.00	50
CM4532821□S□-□□□	820.00	J, K, M	30	0.796	2.5	35.00	30
CM4532102□S□-□□□	1000.00	J, K, M	20	0.252	2.5	40.00	30

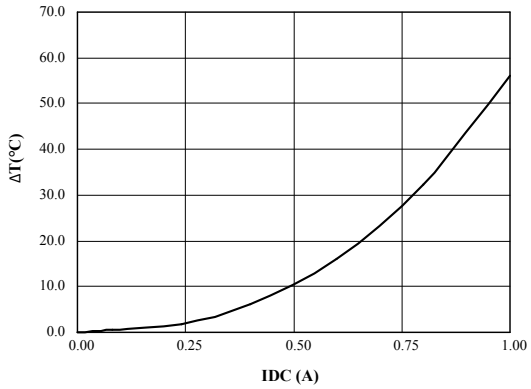
1. Electrical specifications at 25°C
2. Tolerance : J = ±5%, K = ±10%, M = ±20%

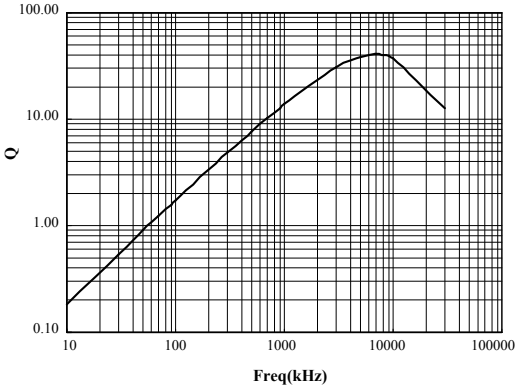
CM3225R12□S□



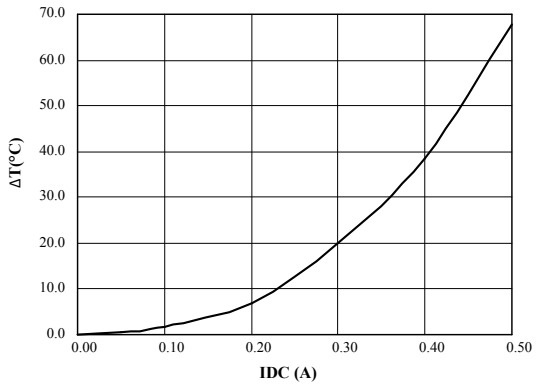


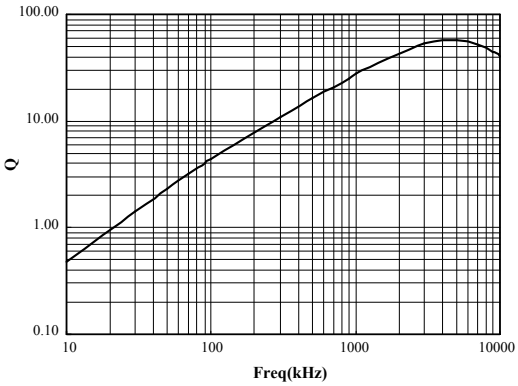
CM32251R0□S□



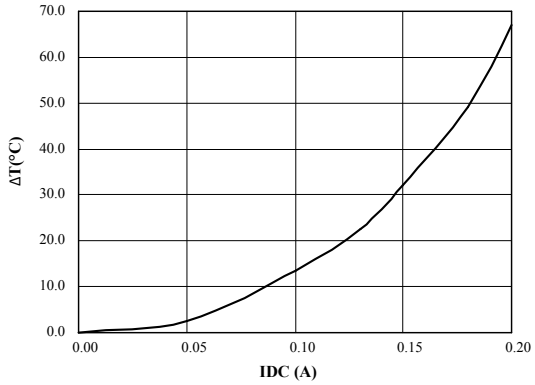


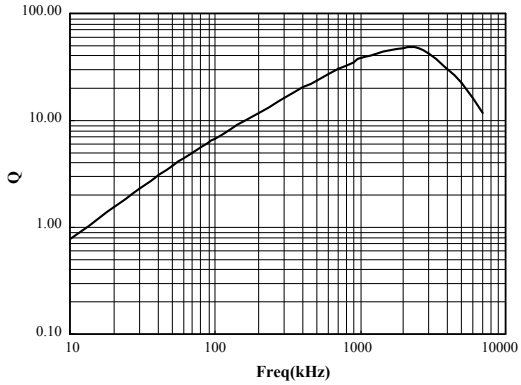
CM3225100□S□



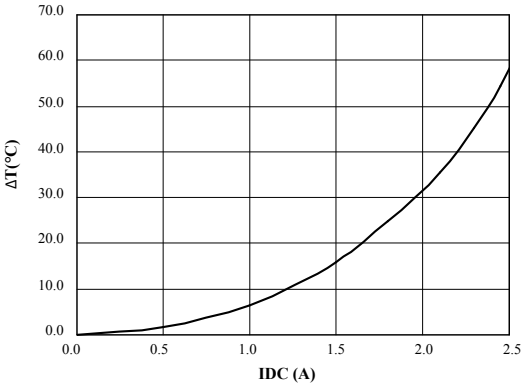


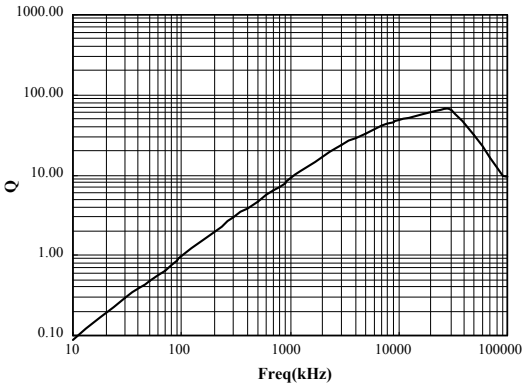
CM3225121□S□



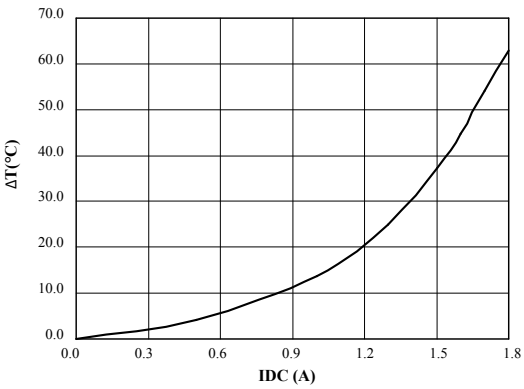


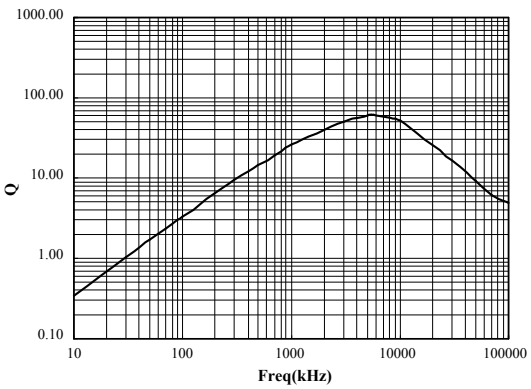
CM4532R10□S□



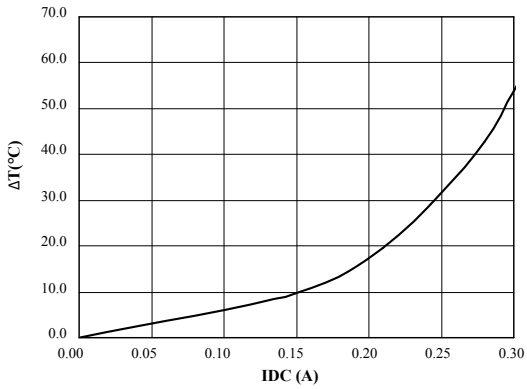


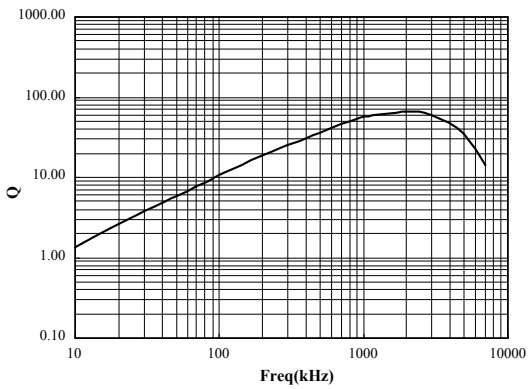
CM45321R0□S□



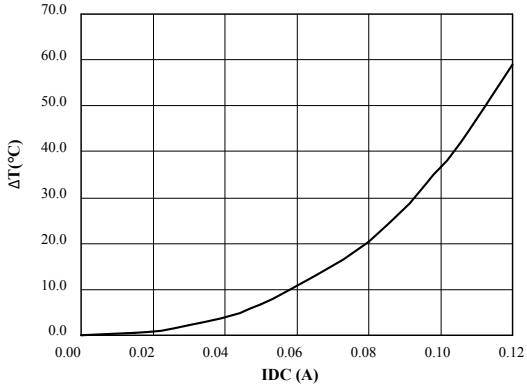


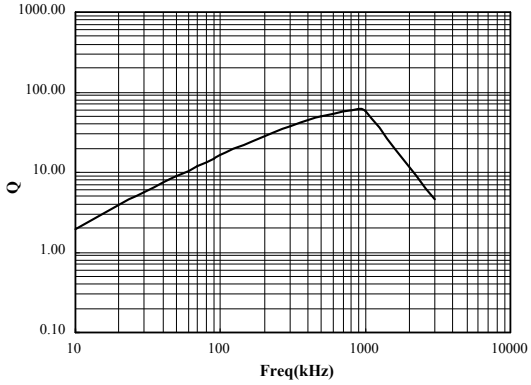
CM4532101□S□





CM4532102□S□

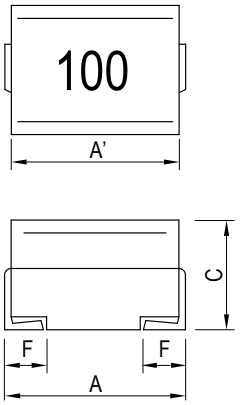


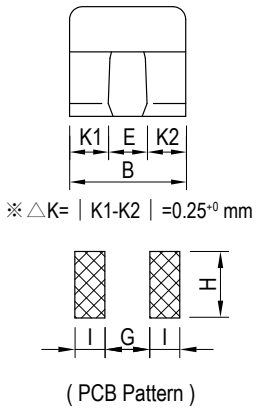


CC SERIES

3225 / 4532

High Current





Unit: mm

Series	A	A'	B	C	E	F	G	H	I
CC3225	3.20±0.40	2.90±0.20	2.50±0.20	2.20±0.20	1.00±0.20	$0.60^{+0.30}_{-0.00}$	1.80	1.40	1.00
CC4532	4.50±0.30	4.20±0.20	3.20±0.20	3.20±0.20	1.20	$1.00^{+0.30}_{-0.00}$	2.20	1.60	1.50

Features

- Heat-resistant molded resin housing
- Lower RDC
- Higher current handling capability
- Operating temp.: -40°C ~ +125°C (including self-temperature rise)

compliant RoHS

Application

- Wireless communication
- Portable devices

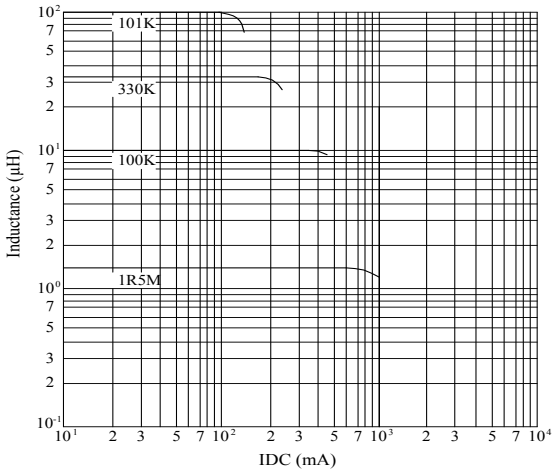
CC3225 Series							
DWG. No.	Inductance (µH)	Tolerance	Q min.	Test Freq. (MHz)	SRF (MHz) typ.	RDC (Ω) max.	IDC (mA) max.
CC32251R0□S□-□□□	1.0	J, K, M	10	7.960	145	0.156	770
CC32251R5□S□-□□□	1.5	J, K, M	10	7.960	100	0.195	580
CC32252R2□S□-□□□	2.2	J, K, M	10	7.960	80	0.260	480
CC32253R3□S□-□□□	3.3	J, K, M	10	7.960	60	0.325	400
CC32254R7□S□-□□□	4.7	J, K, M	10	7.960	50	0.520	320
CC32256R8□S□-□□□	6.8	J, K, M	10	7.960	40	0.650	280
CC3225100□S□-□□□	10.0	J, K, M	15	2.520	30	1.105	220
CC3225150□S□-□□□	15.0	J, K, M	15	2.520	27	1.690	180
CC3225220□S□-□□□	22.0	J, K, M	15	2.520	22	2.600	145
CC3225270□S□-□□□	27.0	J, K, M	15	2.520	19	3.000	125
CC3225330□S□-□□□	33.0	J, K, M	15	2.520	17	3.640	115
CC3225470□S□-□□□	47.0	J, K, M	20	2.520	15	5.460	105
CC3225680□S□-□□□	68.0	J, K, M	20	2.520	11	8.450	85
CC3225820□S□-□□□	82.0	J, K, M	20	2.520	10	8.710	80
CC3225101□S□-□□□	100.0	J, K, M	20	0.796	9	10.140	75
CC4532 Series							
DWG. No.	Inductance (µH)	Tolerance	Q min.	Test Freq. (MHz)	SRF (MHz) typ.	RDC (Ω) max.	IDC (mA) max.
CC45321R0□S□-□□□	1.0	J, K, M	10	7.960	265.0	0.11	1050
CC45321R2□S□-□□□	1.2	J, K, M	10	7.960	180.0	0.12	1000
CC45321R5□S□-□□□	1.5	J, K, M	10	7.960	170.0	0.15	950
CC45321R8□S□-□□□	1.8	J, K, M	10	7.960	105.0	0.16	900
CC45322R2□S□-□□□	2.2	J, K, M	10	7.960	80.0	0.18	850
CC45322R7□S□-□□□	2.7	J, K, M	10	7.960	60.0	0.20	800
CC45323R3□S□-□□□	3.3	J, K, M	10	7.960	55.0	0.22	750
CC45323R9□S□-□□□	3.9	J, K, M	10	7.960	45.0	0.24	700
CC45324R7□S□-□□□	4.7	J, K, M	10	7.960	43.0	0.27	650
CC45325R6□S□-□□□	5.6	J, K, M	10	7.960	40.0	0.30	650
CC45326R8□S□-□□□	6.8	J, K, M	10	7.960	35.0	0.35	600
CC45328R2□S□-□□□	8.2	J, K, M	10	7.960	30.0	0.40	600
CC4532100□S□-□□□	10.0	J, K, M	10	2.520	27.0	0.50	550
CC4532120□S□-□□□	12.0	J, K, M	10	2.520	25.0	0.60	500
CC4532150□S□-□□□	15.0	J, K, M	10	2.520	20.0	0.70	450
CC4532180□S□-□□□	18.0	J, K, M	10	2.520	19.0	0.80	400
CC4532220□S□-□□□	22.0	J, K, M	10	2.520	18.0	0.90	370
CC4532270□S□-□□□	27.0	J, K, M	10	2.520	16.0	1.20	330
CC4532330□S□-□□□	33.0	J, K, M	10	2.520	15.0	1.40	300
CC4532390□S□-□□□	39.0	J, K, M	10	2.520	13.0	1.60	280
CC4532470□S□-□□□	47.0	J, K, M	10	2.520	12.0	1.90	260
CC4532560□S□-□□□	56.0	J, K, M	10	2.520	10.0	2.20	240
CC4532680□S□-□□□	68.0	J, K, M	10	2.520	9.5	2.60	220
CC4532820□S□-□□□	82.0	J, K, M	10	2.520	8.5	3.50	200
CC4532101□S□-□□□	100.0	J, K, M	20	0.796	8.0	4.00	180
CC4532121□S□-□□□	120.0	J, K, M	20	0.796	7.0	4.50	160
CC4532151□S□-□□□	150.0	J, K, M	20	0.796	6.5	6.50	140
CC4532181□S□-□□□	180.0	J, K, M	20	0.796	6.0	7.50	120
CC4532221□S□-□□□	220.0	J, K, M	20	0.796	5.5	9.00	120
CC4532271□S□-□□□	270.0	J, K, M	20	0.796	5.0	11.00	100

CC4532 Series							
DWG. No.	Inductance (µH)	Tolerance	Q min.	Test Freq. (MHz)	SRF (MHz) typ.	RDC (Ω) max.	IDC (mA) max.
CC4532331□S□-□□□	330.0	J, K, M	20	0.796	4.5	13.00	90
CC4532391□S□-□□□	390.0	J, K, M	20	0.796	4.0	14.00	85
CC4532471□S□-□□□	470.0	J, K, M	20	0.796	3.5	16.00	75
CC4532561□S□-□□□	560.0	J, K, M	20	0.796	3.0	21.00	70
CC4532681□S□-□□□	680.0	J, K, M	20	0.796	2.5	24.20	65

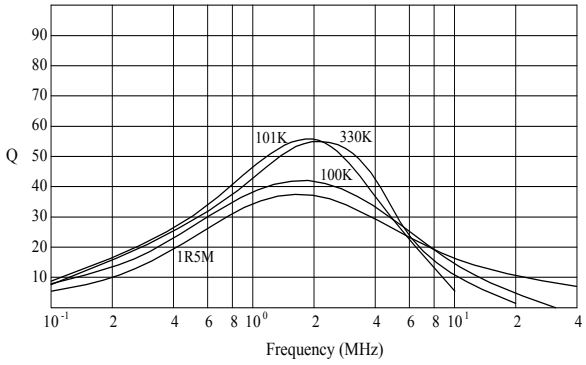
1. Electrical specifications at 25°C
2. Tolerance : J = ±5%, K = ±10%, M = ±20%

CC3225 Series

@ Inductance VS. DC Current Curve

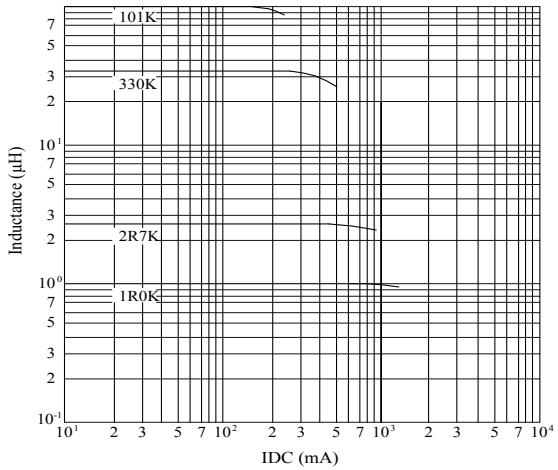


@ Q VS. Frequency Response

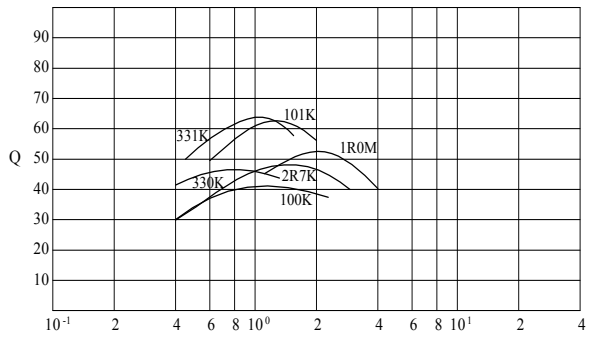


CC4532 Series

@ Inductance VS. DC Current Curve



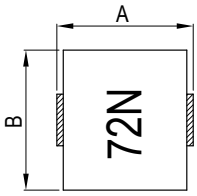
@ Q VS. Frequency Response



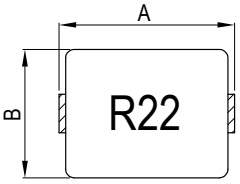
PB SERIES

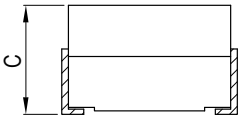
0705 / 1005 / 1007 / 1109 / 1308 / 1012

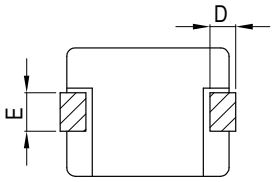
High Current

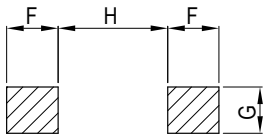


PB0705









(PCB Pattern)

Unit: mm

Series	A	B	C	D	E	F	G	H
PB0705	6.70±0.30	6.50±0.30	4.70±0.30	1.52±0.20	2.45±0.20	2.00 ref.	3.10 ref.	3.30 ref.
PB1005	10.20 max.	7.00 max.	5.00 max.	1.30±0.20	2.50±0.10	2.00 ref.	3.00 ref.	6.35 ref.
PB1007	10.50 max.	8.00 max.	7.50 max.	2.50±0.20	2.20±0.10	3.00 ref.	2.40 ref.	5.00 ref.
PB1109	11.50 max.	11.50 max.	9.20 max.	2.50±0.20	2.20±0.10	3.20 ref.	2.80 ref.	5.80 ref.
PB1308	13.50 max.	13.00 max.	8.00 max.	2.50±0.20	5.00±0.30	3.20 ref.	7.62 ref.	7.11 ref
PB1012	10.00 max.	6.20 max.	12.00 max.	2.40 ref.	5.00 ref.	11.00 ref.	4.40 ref.	3.00ref.

Features

- Large current handling capability
- Lower DCR
- Shielded construction
- Operating temp.: -40°C ~ +125°C (including self-temperature rise)

compliant RoHS

RoHS & HF compliant

Application

- Multi-phase and VCORE regulators
- Voltage Regulator Modules (VRMs)

PB0705 Series						
DWG. No.	Inductance (nH)	Test Freq. (Hz)	RDC (mΩ)		Isat (A) typ.	Irms (A) typ.
			typ.	max.		
PB070572NMS□-□□□	72.0±20%	100k / 0.1V	0.18	0.35	65.0	43.0
PB0705R10MS□-□□□	105.0±20%	100k / 0.1V	0.18	0.35	44.0	43.0
PB0705R12MS□-□□□	120.0±20%	100k / 0.1V	0.18	0.35	37.0	43.0
PB0705R15MS□-□□□	150.0±20%	100k / 0.1V	0.18	0.35	30.0	43.0

PB1005 Series						
DWG. No.	Inductance (nH)	Test Freq. (Hz)	RDC (mΩ)		Isat (A) typ.	Irms (A) typ.
			typ.	max.		
PB1005R10MS□-□□□	100.0±20%	100k / 0.1V	0.21	0.35	73.0	53.0
PB1005R12MS□-□□□	120.0±20%	100k / 0.1V	0.21	0.35	60.0	53.0
PB1005R15MS□-□□□	150.0±20%	100k / 0.1V	0.21	0.35	47.0	53.0
PB1005R22MS□-□□□	220.0±20%	100k / 0.1V	0.21	0.35	33.0	53.0

PB1007 Series						
DWG. No.	Inductance (nH)	Test Freq. (Hz)	RDC (mΩ)		Isat (A) typ.	Irms (A) typ.
			typ.	max.		
PB1007R12MS□-□□□	115.0±20%	100k / 0.1V	0.28	0.35	94.0	61.0
PB1007R15MS□-□□□	150.0±20%	100k / 0.1V	0.28	0.35	76.0	61.0
PB1007R17MS□-□□□	175.0±20%	100k / 0.1V	0.28	0.35	66.0	61.0
PB1007R22MS□-□□□	215.0±20%	100k / 0.1V	0.28	0.35	50.0	61.0
PB1007R23MS□-□□□	230.0±20%	100k / 0.1V	0.28	0.35	48.0	61.0
PB1007R27MS□-□□□	270.0±20%	100k / 0.1V	0.28	0.35	40.0	61.0
PB1007R30MS□-□□□	300.0±20%	100k / 0.1V	0.28	0.35	35.0	61.0

PB1109 Series						
DWG. No.	Inductance (nH)	Test Freq. (Hz)	RDC (mΩ)		Isat (A) typ.	Irms (A) typ.
			typ.	max.		
PB1109R20MS□-□□□	200.0±20%	100k / 0.1V	0.40	0.48	95.0	45.0
PB1109R25MS□-□□□	250.0±20%	100k / 0.1V	0.40	0.48	78.0	45.0
PB1109R27MS□-□□□	270.0±20%	100k / 0.1V	0.40	0.48	62.0	45.0
PB1109R32MS□-□□□	320.0±20%	100k / 0.1V	0.40	0.48	51.0	45.0
PB1109R47MS□-□□□	470.0±20%	100k / 0.1V	0.40	0.48	32.0	45.0
PB1109R55MS□-□□□	550.0±20%	100k / 0.1V	0.40	0.48	23.0	45.0

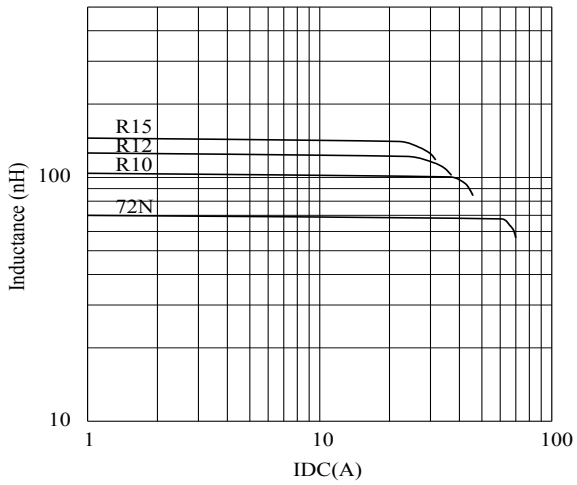
PB1308 Series						
DWG. No.	Inductance (nH)	Test Freq. (Hz)	RDC (mΩ)		Isat (A) typ.	Irms (A) max.
			typ.	max.		
PB1308R21MS□-□□□	210.0±20%	100k /0.1V	0.18	0.35	71	50
PB1308R26MS□-□□□	260.0±20%	100k /0.1V	0.18	0.35	60	50
PB1308R32MS□-□□□	320.0±20%	100k /0.1V	0.18	0.35	50	50
PB1308R44MS□-□□□	440.0±20%	100k /0.1V	0.18	0.35	35	50

PB1012 Series						
DWG. No.	Inductance (nH)	Test Freq. (Hz)	RDC (mΩ)		Isat (A) typ.	Irms (A) max.
			typ.	max.		
PB1012R10YS□-□□□	100.0±15%	100k / 0.1V	0.120	0.140	92.0	60.0
PB1012R12YS□-□□□	120.0±15%	100k / 0.1V	0.120	0.140	78.0	60.0
PB1012R13YS□-□□□	130.0±15%	100k / 0.1V	0.120	0.140	75.0	60.0
PB1012R15YS□-□□□	150.0±15%	100k / 0.1V	0.120	0.140	70.0	60.0
PB1012R33YS□-□□□	330.0±15%	100k / 0.1V	0.120	0.140	28.0	60.0

1. Electrical specifications at 25°C
2. Isat base on ΔL/L0A=20% typ.
3. Irms base on temp. rise 40°C max.

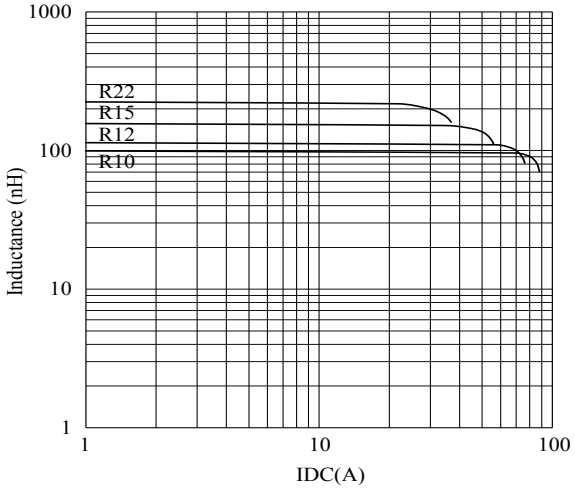
PB0705 Series

@ Inductance VS. DC Current Curve



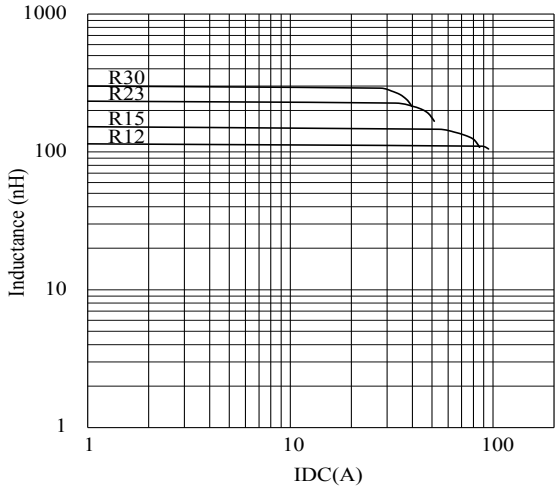
PB1005 Series

@ Inductance VS. DC Current Curve



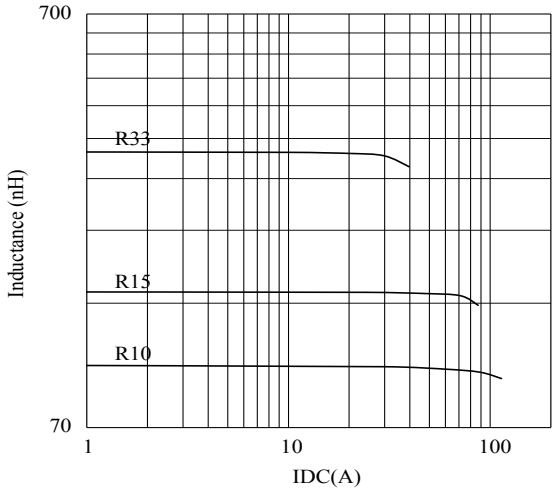
PB1007 Series

@ Inductance VS. DC Current Curve



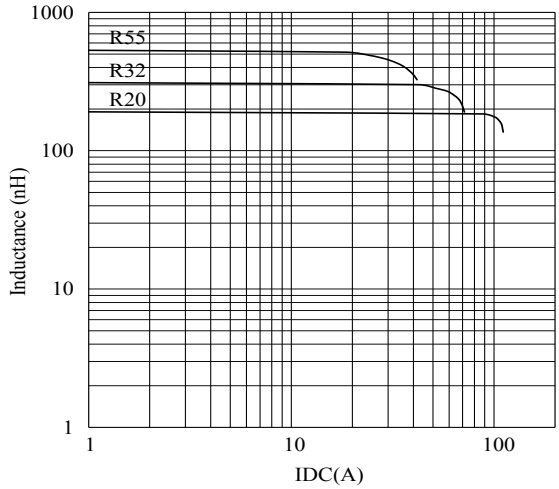
PB1109 Series

@ Inductance VS. DC Current Curve



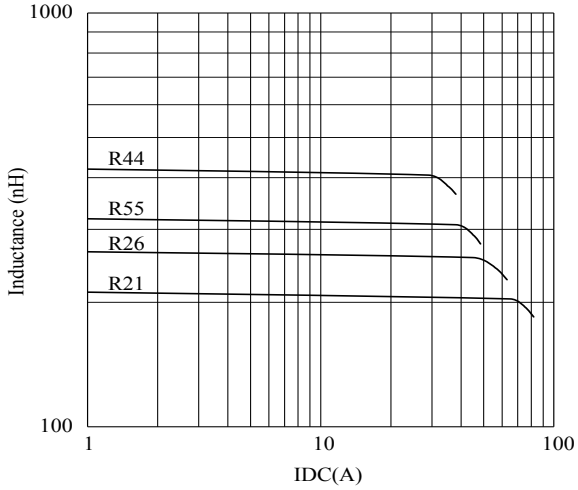
PB1308 Series

@ Inductance VS. DC Current Curve



PB1012 Series

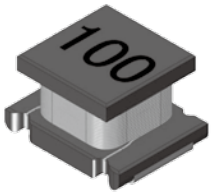
@ Inductance VS. DC Current Curve

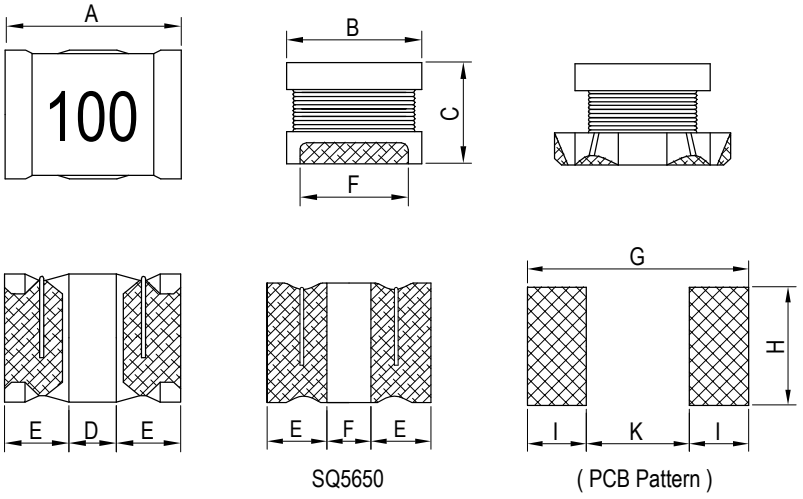


SQ SERIES

3225 / 4532 / 5650

General





SQ5650

(PCB Pattern)

Unit: mm

Series	A	B	C	D	E	F	G	H	I	K
SQ3225	3.20±0.30	2.50±0.30	2.00±0.30	1.30 typ.	1.20 ref.	1.20 ref.	3.80 ref.	2.80 ref.	1.40 ref.	1.00 ref.
SQ4532	4.50±0.30	3.20±0.30	2.60±0.30	1.30 typ.	1.60 ref.	2.00 ref.	5.40 ref.	3.60 ref.	2.00 ref.	1.40 ref.
SQ5650	5.70±0.30	5.00±0.30	4.70±0.50	-	2.00 typ.	1.70 typ.	6.40 ref.	5.40 ref.	2.30 ref.	2.20 ref.

Features

- Open magnetic circuit structure
- Wide range of L values from 1 to 10,000 µH
- Operating temp.: -40°C ~ +125°C
  (including self-temperature rise)

compliant RoHS

RoHS & HF compliant

Application

- Attenuating AC noise
- Power switching regulator

SQ3225 Series								
DWG. No.	Inductance (µH)	Q ref.	Test Freq. (Hz)		SRF (MHz) min.	RDC (Ω) max.	Irms 1 (mA)max. ΔT=20°C	Irms 2 (mA)max. ΔT=40°C
			L	Q				
SQ32251R0ML□-□□□	1.00±20%	20	1M	1M	100.0	0.10	600	750
SQ32251R2ML□-□□□	1.20±20%	20	1M	1M	100.0	0.12	580	720
SQ32251R5ML□-□□□	1.50±20%	20	1M	1M	75.0	0.13	560	660
SQ32251R8ML□-□□□	1.80±20%	20	1M	1M	60.0	0.14	520	640
SQ32252R2ML□-□□□	2.20±20%	20	1M	1M	50.0	0.15	480	620
SQ32252R7ML□-□□□	2.70±20%	20	1M	1M	43.0	0.18	430	600
SQ32253R3ML□-□□□	3.30±20%	20	1M	1M	38.0	0.20	400	580
SQ32253R9ML□-□□□	3.90±20%	20	1M	1M	35.0	0.25	360	540
SQ32254R7ML□-□□□	4.70±20%	20	1M	1M	31.0	0.28	330	490
SQ32255R6ML□-□□□	5.60±20%	20	1M	1M	28.0	0.36	300	440
SQ32256R8ML□-□□□	6.80±20%	20	1M	1M	25.0	0.40	280	420
SQ32258R2ML□-□□□	8.20±20%	20	1M	1M	23.0	0.45	260	390
SQ3225100KL□-□□□	10.00±10%	35	1M	1M	20.0	0.65	220	320
SQ3225120KL□-□□□	12.00±10%	35	1M	1M	18.0	0.70	200	290
SQ3225150KL□-□□□	15.00±10%	35	1M	1M	16.0	1.00	180	270
SQ3225180KL□-□□□	18.00±10%	35	1M	1M	15.0	1.10	170	240
SQ3225220KL□-□□□	22.00±10%	35	1M	1M	14.0	1.30	155	220
SQ3225270KL□-□□□	27.00±10%	35	1M	1M	13.0	1.60	130	165
SQ3225330KL□-□□□	33.00±10%	40	1M	1M	12.0	1.85	120	160
SQ3225390KL□-□□□	39.00±10%	40	1M	1M	11.0	2.00	115	152
SQ3225470KL□-□□□	47.00±10%	40	1M	1M	11.0	3.00	110	146
SQ3225560KL□-□□□	56.00±10%	40	1M	1M	10.0	3.20	105	138
SQ3225680KL□-□□□	68.00±10%	35	1M	1M	9.0	3.80	96	130
SQ3225820KL□-□□□	82.00±10%	35	1M	1M	8.5	5.60	85	105
SQ3225101KL□-□□□	100.00±10%	40	1M	796k	8.0	6.50	80	100
SQ3225121KL□-□□□	120.00±10%	40	1M	796k	7.5	7.00	75	95
SQ3225151KL□-□□□	150.00±10%	40	1M	796k	7.0	9.20	70	86
SQ3225181KL□-□□□	180.00±10%	40	1M	796k	6.0	10.20	65	80
SQ3225221KL□-□□□	220.00±10%	40	1M	796k	5.5	11.80	65	75
SQ3225271KL□-□□□	270.00±10%	40	1M	796k	5.0	14.80	60	70
SQ3225331KL□-□□□	330.00±10%	40	1M	796k	5.0	16.50	55	65
SQ3225391KL□-□□□	390.00±10%	46	1M	796k	5.0	22.00	50	60
SQ3225471KL□-□□□	470.00±10%	46	1k	796k	5.0	25.00	45	55
SQ3225561KL□-□□□	560.00±10%	46	1k	796k	5.0	28.00	40	48

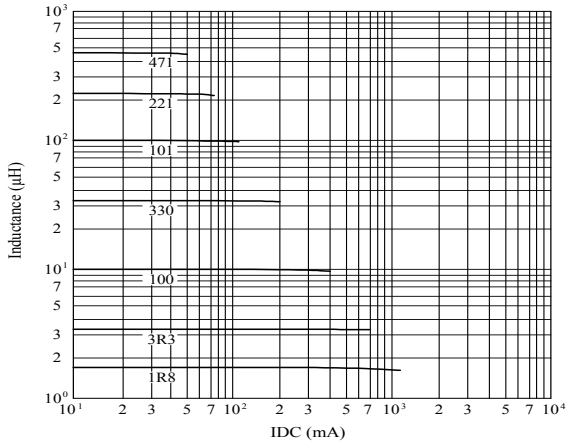
SQ4532 Series								
DWG. No.	Inductance (μH)	Q ref.	Test Freq. (Hz)		SRF (MHz) nom.	RDC (Ω) max.	Irms 1 (mA)max. ΔT=20°C	Irms 2 (mA)max. ΔT=40°C
			L	Q				
SQ45321R0ML□-□□□	1.00±20%	40	1M	1M	165.0	0.08	1400	1800
SQ45321R5ML□-□□□	1.50±20%	42	1M	1M	130.0	0.09	1350	1750
SQ45321R8ML□-□□□	1.80±20%	45	1M	1M	100.0	0.10	1300	1700
SQ45322R2ML□-□□□	2.20±20%	40	1M	1M	80.0	0.11	1250	1600
SQ45322R7ML□-□□□	2.70±20%	40	1M	1M	63.0	0.12	1200	1500
SQ45323R3ML□-□□□	3.30±20%	45	1M	1M	58.0	0.13	1000	1400
SQ45323R9ML□-□□□	3.90±20%	40	1M	1M	54.0	0.14	960	1320
SQ45324R7ML□-□□□	4.70±20%	36	1M	1M	45.0	0.15	940	1240
SQ45325R6ML□-□□□	5.60±20%	36	1M	1M	41.0	0.18	920	1180
SQ45326R8ML□-□□□	6.80±20%	36	1M	1M	37.0	0.20	860	1100
SQ45328R2ML□-□□□	8.20±20%	36	1M	1M	34.0	0.25	780	1000
SQ4532100ML□-□□□	10.00±20%	48	1M	1M	30.0	0.30	750	950
SQ4532120ML□-□□□	12.00±20%	48	1M	1M	28.0	0.42	700	800
SQ4532150ML□-□□□	15.00±20%	45	1M	1M	26.0	0.50	650	730
SQ4532180ML□-□□□	18.00±20%	42	1M	1M	22.0	0.60	570	680
SQ4532220KL□-□□□	22.00±10%	50	1M	1M	20.0	0.70	460	630
SQ4532270KL□-□□□	27.00±10%	50	1M	1M	19.0	0.90	360	520
SQ4532330KL□-□□□	33.00±10%	55	1M	1M	18.0	1.10	330	430
SQ4532390KL□-□□□	39.00±10%	60	1M	1M	17.0	1.30	310	410
SQ4532470KL□-□□□	47.00±10%	60	1M	1M	15.0	1.50	285	390
SQ4532560KL□-□□□	56.00±10%	58	1M	1M	14.0	1.60	270	385
SQ4532680KL□-□□□	68.00±10%	58	1M	1M	11.0	2.10	230	330
SQ4532820KL□-□□□	82.00±10%	60	1M	1M	11.0	2.20	215	300
SQ4532101KL□-□□□	100.00±10%	60	1M	796k	10.0	2.50	200	270
SQ4532121KL□-□□□	120.00±10%	60	1M	796k	9.0	3.00	180	240
SQ4532151KL□-□□□	150.00±10%	55	1M	796k	8.5	3.70	165	220
SQ4532181KL□-□□□	180.00±10%	55	1M	796k	7.0	4.50	145	200
SQ4532221KL□-□□□	220.00±10%	45	1M	796k	6.3	5.40	130	185
SQ4532271KL□-□□□	270.00±10%	50	1M	796k	6.0	8.00	110	140
SQ4532331KL□-□□□	330.00±10%	55	1M	796k	5.8	11.50	100	120
SQ4532391KL□-□□□	390.00±10%	50	1M	796k	5.2	13.00	95	110
SQ4532471KL□-□□□	470.00±10%	50	1k	796k	5.0	14.20	85	105
SQ4532561KL□-□□□	560.00±10%	53	1k	796k	4.5	15.50	80	100
SQ4532681KL□-□□□	680.00±10%	45	1k	796k	3.5	16.80	75	90
SQ4532821KL□-□□□	820.00±10%	50	1k	796k	2.8	20.00	70	85
SQ4532102KL□-□□□	1000.00±10%	30	1k	252k	2.5	30.00	60	70
SQ4532122KL□-□□□	1200.00±10%	30	1k	252k	2.3	33.50	45	60
SQ4532152KL□-□□□	1500.00±10%	35	1k	252k	2.0	38.50	40	55
SQ4532182KL□-□□□	1800.00±10%	35	1k	252k	1.8	44.00	35	50
SQ4532222KL□-□□□	2200.00±10%	30	1k	252k	1.6	47.00	30	40

SQ5650 Series				
DWG. No.	Inductance (μH)	Test Freq. (Hz) L	RDC (Ω) max.	IDC (A) max.
SQ5650R47ML□-□□□	0.47±20%	100k	0.018	4.800
SQ56501R0ML□-□□□	1.00±20%	100k	0.027	4.000
SQ56501R5ML□-□□□	1.50±20%	100k	0.031	3.700
SQ56502R2ML□-□□□	2.20±20%	100k	0.041	3.200
SQ56503R3ML□-□□□	3.30±20%	100k	0.050	2.900
SQ56504R7ML□-□□□	4.70±20%	100k	0.057	2.700
SQ56506R8ML□-□□□	6.80±20%	100k	0.100	2.000
SQ5650100ML□-□□□	10.00±20%	1k	0.130	1.700
SQ5650120KL□-□□□	12.00±10%	1k	0.200	1.500
SQ5650150KL□-□□□	15.00±10%	1k	0.210	1.400
SQ5650220KL□-□□□	22.00±10%	1k	0.270	1.200
SQ5650240KL□-□□□	24.00±10%	1k	0.290	1.100
SQ5650270KL□-□□□	27.00±10%	1k	0.300	1.000
SQ5650330KL□-□□□	33.00±10%	1k	0.450	0.900
SQ5650470KL□-□□□	47.00±10%	1k	0.560	0.800
SQ5650680KL□-□□□	68.00±10%	1k	0.940	0.640
SQ5650900KL□-□□□	90.00±10%	1k	1.190	0.580
SQ5650101KL□-□□□	100.00±10%	1k	1.200	0.560
SQ5650121KL□-□□□	120.00±10%	1k	1.850	0.490
SQ5650151KL□-□□□	150.00±10%	1k	2.660	0.420
SQ5650221KL□-□□□	220.00±10%	1k	3.360	0.320
SQ5650331KL□-□□□	330.00±10%	1k	6.160	0.270
SQ5650471KL□-□□□	470.00±10%	1k	7.560	0.240
SQ5650681KL□-□□□	680.00±10%	1k	11.300	0.190
SQ5650102KL□-□□□	1000.00±10%	1k	14.400	0.150
SQ5650122KL□-□□□	1200.00±10%	1k	18.000	0.120
SQ5650152KL□-□□□	1500.00±10%	1k	30.100	0.100
SQ5650222KL□-□□□	2200.00±10%	1k	45.000	0.090
SQ5650242KL□-□□□	2400.00±10%	1k	47.000	0.085
SQ5650332KL□-□□□	3300.00±10%	1k	50.000	0.080
SQ5650472KL□-□□□	4700.00±10%	1k	61.000	0.070
SQ5650682KL□-□□□	6800.00±10%	1k	100.000	0.060
SQ5650822KL□-□□□	8200.00±10%	1k	125.000	0.050
SQ5650103KL□-□□□	10000.00±10%	1k	140.000	0.050

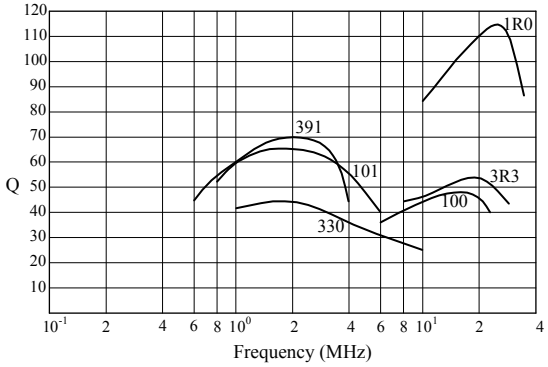
1. Electrical specifications at 25°C
2. IDC base on ΔL/L0A=10% max. & Temp. rise 40°C max.

SQ3225 Series

@ Inductance VS. DC Current Curve

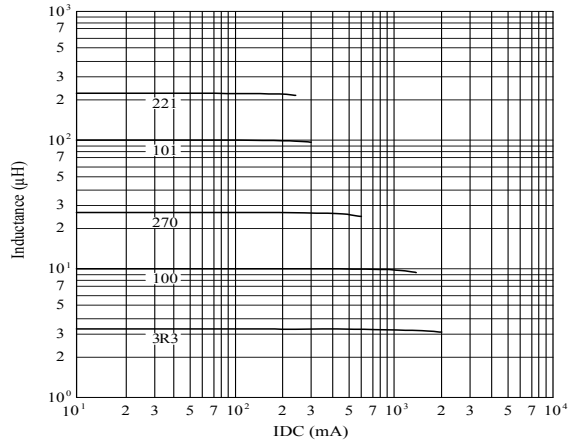


@ Q VS. Frequency Response

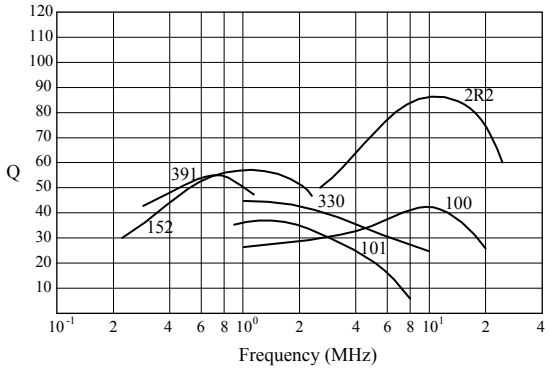


SQ4532 Series

@ Inductance VS. DC Current Curve

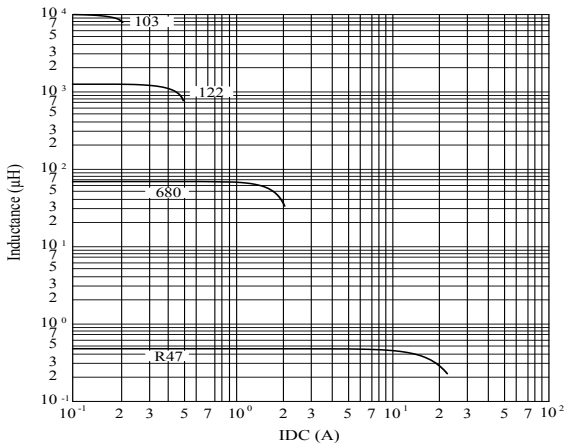


@ Q VS. Frequency Response



SQ5650 Series

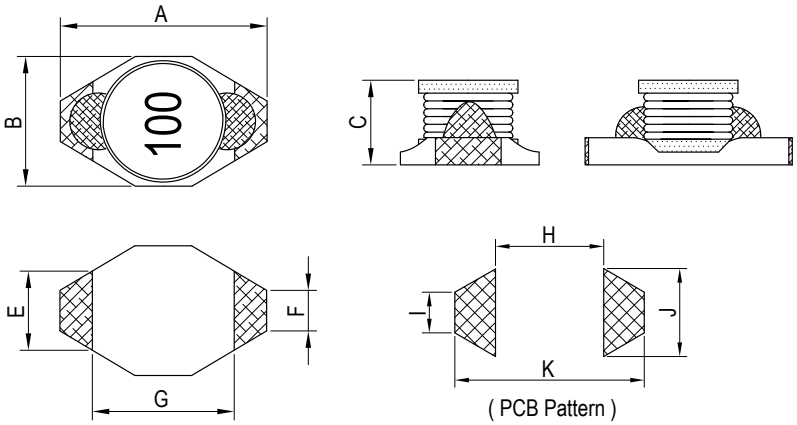
@ Inductance VS. DC Current Curve



SQ

SB SERIES 1608

General



Unit: mm

Series	A	B	C	E	F	G	H	I	J	K
SB1608	6.60 max.	4.45 max.	2.92 max.	3.05 typ.	1.27 typ.	4.32 typ.	4.10 ref.	1.60 ref.	3.00 ref.	7.00 ref.

Features

- Ceramic / plastic base offers good co-planarity
- Open magnetic circuit structure
- Very low DCR values
- Excellent current handling
- High saturation current ratings
- Operating temp.: -40°C ~ +125°C (including self-temperature rise)

compliant RoHS

RoHS & HF compliant

Application

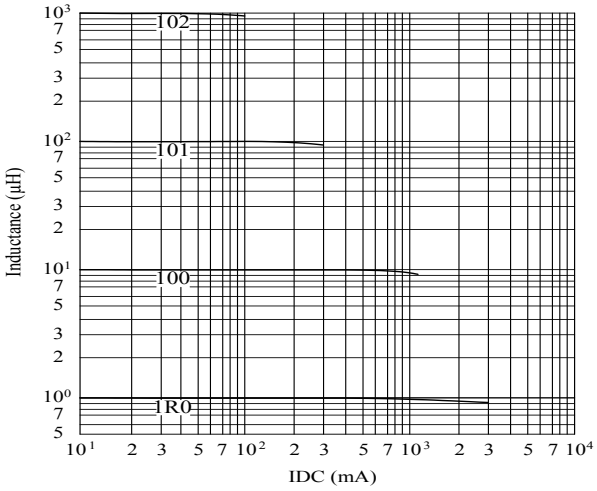
- DC-DC converters
- Portable power devices

SB1608 Series					
DWG. No.	Inductance (µH)	SRF (MHz) typ.	RDC (Ω) max.	Irms (A)	Isat (A)
SB16081R0M2□-□□□	1.0±20%	130.0	0.05	2.90	2.90
SB16081R5M2□-□□□	1.5±20%	115.0	0.05	2.80	2.60
SB16082R2M2□-□□□	2.2±20%	90.0	0.07	2.40	2.30
SB16083R3M2□-□□□	3.3±20%	70.0	0.08	2.00	2.00
SB16084R7M2□-□□□	4.7±20%	50.0	0.09	1.50	1.50
SB16086R8M2□-□□□	6.8±20%	45.0	0.13	1.40	1.20
SB1608100M2□-□□□	10.0±20%	35.0	0.16	1.10	1.10
SB1608150M2□-□□□	15.0±20%	30.0	0.23	1.00	0.90
SB1608220M2□-□□□	22.0±20%	20.0	0.37	0.80	0.70
SB1608330M2□-□□□	33.0±20%	15.0	0.51	0.60	0.58
SB1608470M2□-□□□	47.0±20%	14.0	0.64	0.50	0.50
SB1608680M2□-□□□	68.0±20%	11.0	0.86	0.40	0.40
SB1608101M2□-□□□	100.0±20%	9.0	1.27	0.30	0.31
SB1608151M2□-□□□	150.0±20%	6.0	2.00	0.25	0.27
SB1608221M2□-□□□	220.0±20%	5.5	3.11	0.20	0.22
SB1608331M2□-□□□	330.0±20%	5.0	3.80	0.16	0.18
SB1608471M2□-□□□	470.0±20%	4.0	5.06	0.15	0.16
SB1608681M2□-□□□	680.0±20%	3.0	9.20	0.12	0.14
SB1608102M2□-□□□	1000.0±20%	2.0	13.80	0.07	0.10

1. Electrical specifications at 25°C
2. Irms base on Temp. rise 15°C typ.
3. Isat base on ΔL/L0A=10% typ.
4. Inductance Tested at 0.1V/100kHz

SB1608 Series

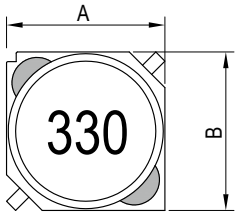
@ Inductance VS. DC Current Curve

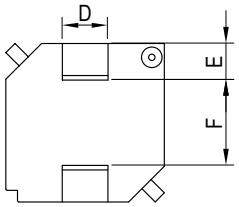


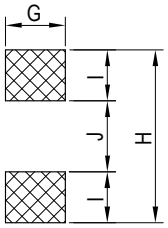
SB SERIES

7030 / 7045

General







(PCB Pattern)

Unit: mm

Series	A	B	C	D	E	F	G	H	I	J
SB7030	7.00±0.30	7.00±0.30	3.00±0.30	2.00 typ.	1.50 typ.	4.00 typ.	2.40 ref.	7.80 ref.	1.80 ref.	4.20 ref.
SB7045	7.00±0.30	7.00±0.30	4.50±0.30	2.00 typ.	1.50 typ.	4.00 typ.	2.40 ref.	7.80 ref.	1.80 ref.	4.20 ref.

Features

- Ceramic / plastic base offers good co-planarity
- Open magnetic circuit structure
- Very low DCR values
- Excellent current handling
- High saturation current ratings
- Operating temp.: -40°C ~ +125°C (including self-temperature rise)

compliant RoHS

RoHS & HF compliant

Application

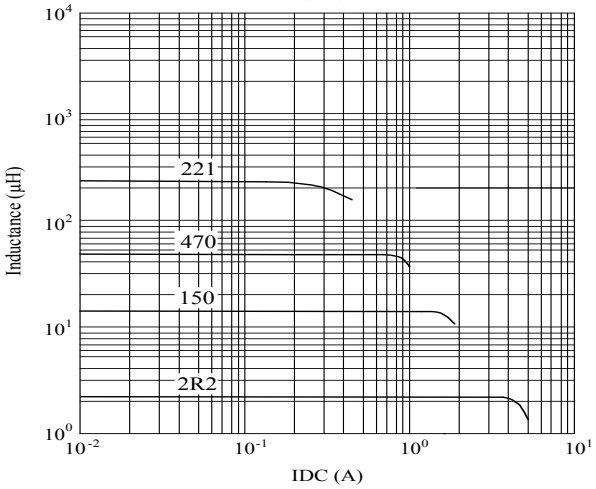
- DC-DC converters
- Portable power devices

SB7030 Series							
DWG. No.	Inductance (μH)	Q ref.	Test Freq. (MHz)	SRF (MHz) typ.	RDC (Ω) max.	Irms (A) max.	Isat (A) typ.
SB70301R0ML□-□□□	1.0±20%	18	7.96	113	0.022	3.00	4.30
SB70301R5ML□-□□□	1.5±20%	17	7.96	100	0.027	2.75	3.60
SB70302R2ML□-□□□	2.2±20%	17	7.96	80	0.030	2.60	3.20
SB70303R5ML□-□□□	3.5±20%	17	7.96	59	0.038	2.20	2.60
SB70304R7ML□-□□□	4.7±20%	14	7.96	43	0.048	1.85	2.25
SB70306R2ML□-□□□	6.2±20%	17	7.96	41	0.058	1.65	2.00
SB7030100ML□-□□□	10.0±20%	16	2.52	35	0.075	1.50	1.60
SB7030150ML□-□□□	15.0±20%	14	2.52	33	0.115	1.20	1.30
SB7030220ML□-□□□	22.0±20%	14	2.52	32	0.160	1.02	1.10
SB7030330ML□-□□□	33.0±20%	13	2.52	24	0.230	0.85	0.90
SB7030470KL□-□□□	47.0±10%	12	2.52	18	0.340	0.70	0.78
SB7030680KL□-□□□	68.0±10%	12	2.52	16	0.480	0.58	0.64
SB7030101KL□-□□□	100.0±10%	18	0.796	15	0.720	0.46	0.52
SB7030151KL□-□□□	150.0±10%	18	0.796	12	0.920	0.40	0.42
SB7030221KL□-□□□	220.0±10%	23	0.796	9	1.600	0.32	0.34
SB7030331KL□-□□□	330.0±10%	24	0.796	7	2.200	0.26	0.28
SB7030471KL□-□□□	470.0±10%	30	0.796	6	2.800	0.22	0.23
SB7030681KL□-□□□	680.0±10%	28	0.796	5	4.350	0.18	0.18
SB7030102KL□-□□□	1000.0±10%	66	0.252	4	6.200	0.15	0.15
SB7045 Series							
DWG. No.	Inductance (μH)	Q ref.	Test Freq. (MHz)	SRF (MHz) typ.	RDC (Ω) max.	Irms (A) max.	Isat (A) typ.
SB70451R2ML□-□□□	1.2±20%	25	7.96	90	0.022	3.80	5.00
SB70451R5ML□-□□□	1.5±20%	26	7.96	109	0.027	3.50	4.50
SB70452R2ML□-□□□	2.2±20%	24	7.96	79	0.032	3.30	4.00
SB70453R3ML□-□□□	3.3±20%	23	7.96	47	0.036	2.80	3.70
SB70454R7ML□-□□□	4.7±20%	23	7.96	38	0.042	2.60	3.40
SB70456R8ML□-□□□	6.8±20%	22	7.96	35	0.054	2.25	2.70
SB7045100ML□-□□□	10.0±20%	28	2.52	23	0.070	2.00	2.30
SB7045150ML□-□□□	15.0±20%	24	2.52	19	0.086	1.60	1.90
SB7045220ML□-□□□	22.0±20%	26	2.52	18	0.125	1.40	1.62
SB7045330ML□-□□□	33.0±20%	20	2.52	18	0.150	1.22	1.32
SB7045470KL□-□□□	47.0±10%	21	2.52	11	0.230	1.00	1.10
SB7045680KL□-□□□	68.0±10%	17	2.52	11	0.280	0.90	0.92
SB7045101KL□-□□□	100.0±10%	17	0.796	10	0.430	0.75	0.72
SB7045151KL□-□□□	150.0±10%	17	0.796	8	0.580	0.62	0.58
SB7045221KL□-□□□	220.0±10%	22	0.796	6	0.930	0.50	0.48
SB7045331KL□-□□□	330.0±10%	20	0.796	6	1.240	0.42	0.40
SB7045471KL□-□□□	470.0±10%	20	0.796	4	1.850	0.34	0.30
SB7045681KL□-□□□	680.0±10%	18	0.796	4	2.400	0.30	0.26
SB7045102KL□-□□□	1000.0±10%	48	0.252	3	4.000	0.22	0.20

1. Electrical specifications at 25°C
2. Irms base on Temp. rise 40°C typ.
3. Isat base on ΔL/L0A=10% typ.

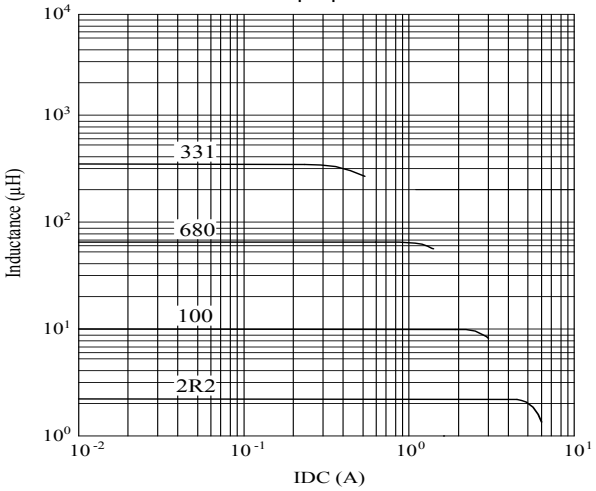
SB7030 Series

@ Inductance VS. DC Superposition Characteristics



SB7045 Series

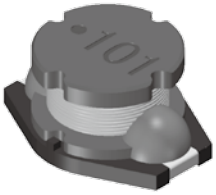
@ Inductance VS. DC Superposition Characteristics

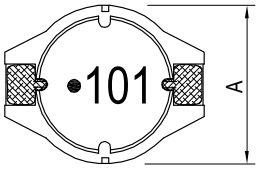


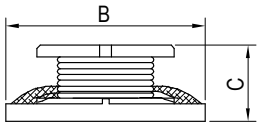
SB SERIES

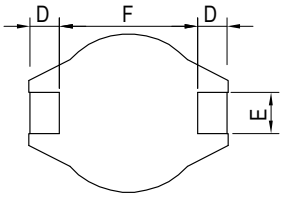
0805 / 1005 / 1806

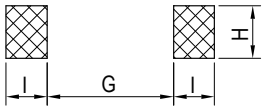
General











(PCB Pattern)

Unit: mm

Series	A	B	C	D	E	F	G	H	I
SB0805	8.00±0.30	10.50±0.30	5.00±0.30	2.10±0.20	2.00±0.20	6.00±0.30	5.70 ref.	2.20 ref.	2.40 ref.
SB1005	10.00±0.30	12.70±0.30	5.00±0.30	2.40±0.20	2.20±0.20	7.60±0.30	7.30 ref.	2.80 ref.	3.00 ref.
SB1806	14.00±0.50	18.20±0.50	6.60±0.50	2.50±0.20	2.60±0.20	13.00±0.30	12.70 ref.	2.90 ref.	3.20 ref.

Features

- Ceramic / plastic base offers good co-planarity
- Open magnetic circuit structure
- Low DCR
- Excellent current handling
- High saturation current ratings
- Operating temp.: -40°C ~ +125°C (including self-temperature rise)

compliant RoHS

RoHS & HF compliant

Application

- DC-DC converters
- Consumer electronics

SB

SB0805 Series				
DWG. No.	Inductance (μH) 0.1 V / 100 kHz	RDC (Ω) max.	Irms (A) max.	Isat (A) typ.
SB08053R3MF□-□□□	3.3±20%	0.022	5.00	5.20
SB08054R7MF□-□□□	4.7±20%	0.028	4.20	4.00
SB08056R8MF□-□□□	6.8±20%	0.040	3.40	3.40
SB0805100MF□-□□□	10.0±20%	0.050	3.00	2.80
SB0805150MF□-□□□	15.0±20%	0.070	2.40	2.30
SB0805220MF□-□□□	22.0±20%	0.100	2.00	1.85
SB0805330MF□-□□□	33.0±20%	0.145	1.72	1.54
SB0805470YF□-□□□	47.0±15%	0.200	1.40	1.28
SB0805680YF□-□□□	68.0±15%	0.270	1.20	1.15
SB0805101YF□-□□□	100.0±15%	0.400	1.00	0.92
SB0805151YF□-□□□	150.0±15%	0.560	0.75	0.75
SB0805221YF□-□□□	220.0±15%	0.860	0.62	0.62
SB0805331YF□-□□□	330.0±15%	1.500	0.46	0.50

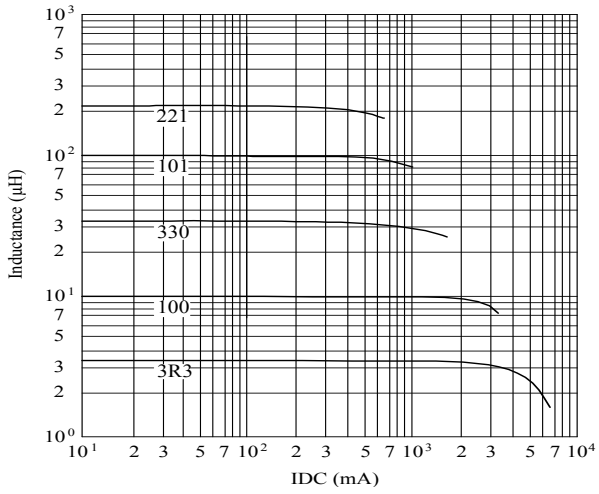
SB1005 Series					
DWG. No.	Inductance (μH)	RDC (Ω) max.	SRF (MHz) typ.	Irms (A) typ.	Isat (A) max.
SB10051R0ML□-□□□	1.0±20%	0.007	130.0	7.50	9.00
SB10051R5ML□-□□□	1.5±20%	0.009	90.0	6.50	8.00
SB10052R5ML□-□□□	2.5±20%	0.012	65.0	5.50	7.00
SB10053R3ML□-□□□	3.3±20%	0.015	50.0	5.00	6.40
SB10054R7ML□-□□□	4.7±20%	0.019	45.0	4.50	5.40
SB10056R8ML□-□□□	6.8±20%	0.034	35.0	3.40	4.50
SB1005100ML□-□□□	10.0±20%	0.045	25.0	2.90	3.70
SB1005150ML□-□□□	15.0±20%	0.060	23.0	2.50	3.00
SB1005220ML□-□□□	22.0±20%	0.095	18.0	2.00	2.50
SB1005330KL□-□□□	33.0±10%	0.120	15.0	1.80	2.00
SB1005470KL□-□□□	47.0±10%	0.190	12.0	1.40	1.60
SB1005680KL□-□□□	68.0±10%	0.240	10.0	1.20	1.40
SB1005101KL□-□□□	100.0±10%	0.330	8.0	1.00	1.20
SB1005151KL□-□□□	150.0±10%	0.590	6.0	0.80	1.00
SB1005221KL□-□□□	220.0±10%	0.780	5.0	0.70	0.80
SB1005331KL□-□□□	330.0±10%	1.150	4.0	0.55	0.60
SB1005471KL□-□□□	470.0±10%	1.700	3.5	0.45	0.50
SB1005681KL□-□□□	680.0±10%	2.600	3.0	0.35	0.40
SB1005102KL□-□□□	1000.0±10%	3.900	2.0	0.30	0.30
SB1005152KL□-□□□	1500.0±10%	6.300	1.9	0.25	0.25
SB1005222KL□-□□□	2200.0±10%	8.200	1.6	0.20	0.20
SB1005332KL□-□□□	3300.0±10%	14.000	1.2	0.16	0.17
SB1005472KL□-□□□	4700.0±10%	17.000	1.1	0.15	0.15
SB1005682KL□-□□□	6800.0±10%	30.000	0.9	0.11	0.12
SB1005103KL□-□□□	10000.0±10%	39.000	0.7	0.10	0.10

SB1860 Series					
DWG. No.	Inductance (μH)	RDC (mΩ) max.	SRF (MHz) typ.	Irms (A) max.	Isat (A) typ.
SB18061R0ML□-□□□	1.0±20%	4.0	100.0	10.00	30.00
SB18062R2ML□-□□□	2.2±20%	6.8	55.0	9.00	22.00
SB18063R3ML□-□□□	3.3±20%	9.8	40.0	7.60	17.00
SB18065R6ML□-□□□	5.6±20%	15.0	30.0	6.40	12.80
SB1806100ML□-□□□	10.0±20%	25.0	25.0	5.30	10.00
SB1806150ML□-□□□	15.0±20%	35.0	17.0	4.30	8.00
SB1806220ML□-□□□	22.0±20%	45.0	13.0	3.60	6.70
SB1806330ML□-□□□	33.0±20%	68.0	11.0	3.00	5.40
SB1806470ML□-□□□	47.0±20%	95.0	9.0	2.50	4.60
SB1806680ML□-□□□	68.0±20%	130.0	8.0	2.10	3.80
SB1806101KL□-□□□	100.0±10%	190.0	7.0	1.70	3.20
SB1806151KL□-□□□	150.0±10%	270.0	5.0	1.40	2.60
SB1806221KL□-□□□	220.0±10%	420.0	4.5	1.10	2.20
SB1806331KL□-□□□	330.0±10%	580.0	3.5	1.00	1.80
SB1806471KL□-□□□	470.0±10%	820.0	3.0	0.80	1.50
SB1806681KL□-□□□	680.0±10%	1200.0	2.5	0.70	1.20
SB1806102KL□-□□□	1000.0±10%	1800.0	2.0	0.50	1.00

1. Electrical specifications at 25°C
2. Inductance Test Freq. at 100kHz / 0.1V
3. Irms base on temp. rise 40°C max.
4. Isat base on ΔL/L0A=10% typ.

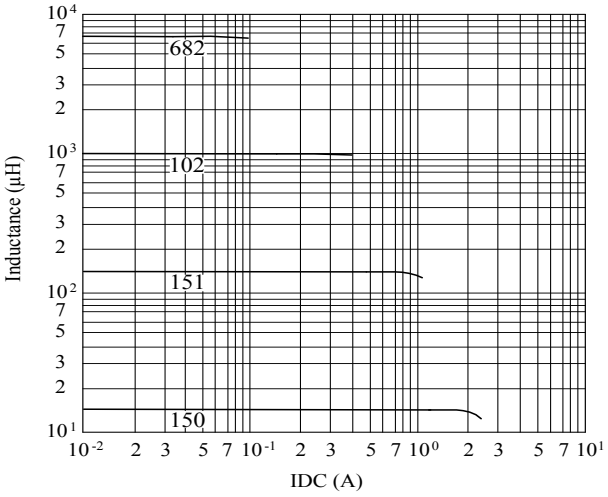
SB0805 Series

@ Inductance VS. DC Current Curve



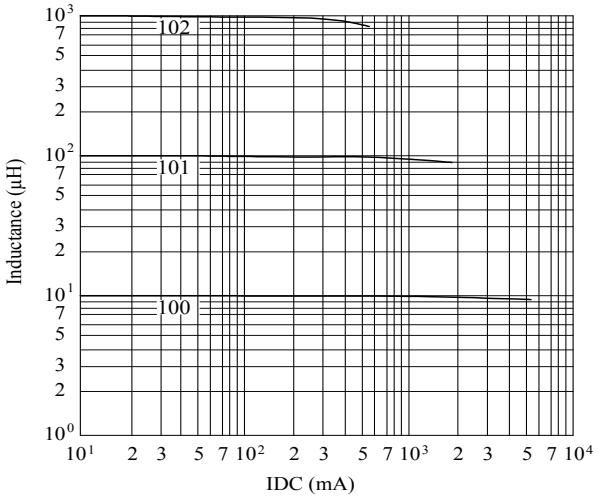
SB1005 Series

@ Inductance VS. DC Current Curve

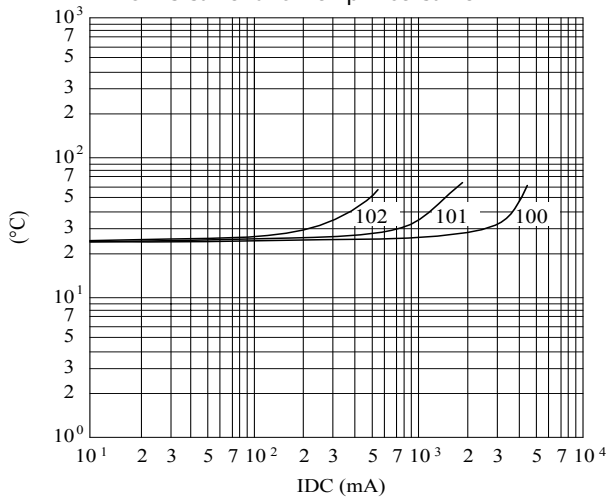


SB1806 Series

@ Inductance VS. DC Current Curve

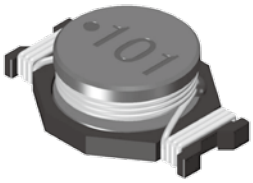


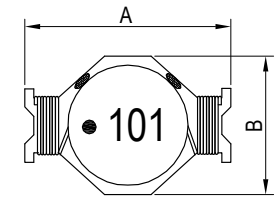
@ DC Current VS. Temp. Rise Curve

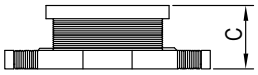


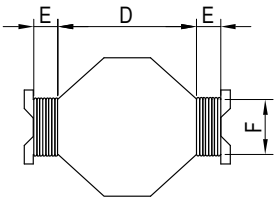
SB SERIES 2207

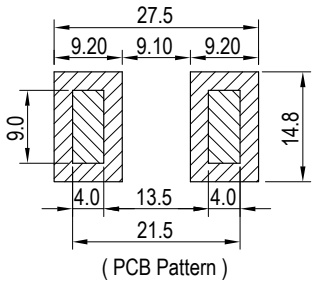
General











Unit: mm

Series	A	B	C	D	E	F
SB2207	22.00±0.30	15.00±0.30	7.00±0.40	15.00 typ.	Refer to part IV for detials.	

Features

- Ceramic / plastic base offers good co-planarity
- Open magnetic circuit structure
- Low DCR values
- Excellent current handling
- High saturation current ratings
- Operating temp.: -40°C ~ +125°C (including self-temperature rise)

compliant RoHS

RoHS & HF compliant

Application

- DC-DC converters
- Consumer electronics

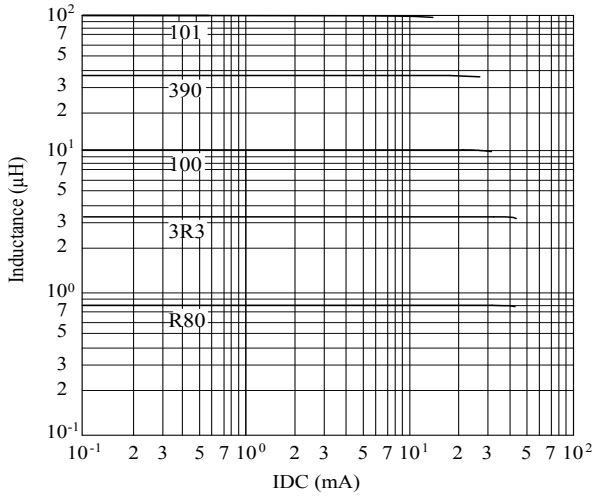
SB

SB2207 Series									
DWG. No.	Inductance (μH)	Q ref.	Test Freq. (MHz)	SRF (MHz) typ.	RDC (mΩ) ±20%	Irms (A) max.	Isat (A) typ.	E (mm)	F (mm)
SB2207R80ML□-□□□	0.80±20%	45	7.96	90.0	2.3	16.0	35.0	2.20±0.4	8.90±0.4
SB22071R2ML□-□□□	1.20±20%	40	7.96	70.0	3.2	15.0	30.0	2.20±0.4	8.90±0.4
SB22071R8ML□-□□□	1.80±20%	40	7.96	55.0	4.5	13.0	25.0	2.20±0.4	8.60±0.4
SB22072R7ML□-□□□	2.70±20%	40	7.96	45.0	7.0	10.0	20.0	2.00±0.4	8.30±0.4
SB22073R3ML□-□□□	3.30±20%	35	7.96	40.0	7.8	9.0	17.0	2.00±0.4	8.30±0.4
SB22074R7ML□-□□□	4.70±20%	35	7.96	35.0	8.8	8.5	15.0	2.00±0.4	8.30±0.4
SB22075R6ML□-□□□	5.60±20%	35	7.96	25.0	12.4	7.8	14.0	2.20±0.4	8.00±0.4
SB22076R8ML□-□□□	6.80±20%	30	7.96	23.0	14.2	7.5	12.0	2.20±0.4	8.00±0.4
SB22078R2ML□-□□□	8.20±20%	30	7.96	22.0	15.5	7.0	11.0	2.20±0.4	8.00±0.4
SB2207100ML□-□□□	10.00±20%	30	2.52	18.5	17.2	6.5	10.0	2.20±0.4	8.00±0.4
SB2207120YL□-□□□	12.00±15%	40	2.52	17.0	23.6	5.5	9.5	2.20±0.4	7.80±0.4
SB2207150YL□-□□□	15.00±15%	35	2.52	16.0	28.8	5.0	9.0	2.20±0.4	7.80±0.4
SB2207180YL□-□□□	18.00±15%	30	2.52	14.5	33.0	4.6	8.0	2.20±0.4	7.80±0.4
SB2207220YL□-□□□	22.00±15%	35	2.52	12.5	39.4	4.0	6.5	2.20±0.4	7.70±0.4
SB2207270YL□-□□□	27.00±15%	25	2.52	11.5	43.5	3.8	6.0	2.20±0.4	7.70±0.4
SB2207330YL□-□□□	33.00±15%	25	2.52	11.0	58.4	3.4	5.5	2.20±0.4	7.60±0.4
SB2207390KL□-□□□	39.00±10%	25	2.52	10.0	65.0	3.2	5.2	2.20±0.4	7.60±0.4
SB2207470KL□-□□□	47.00±10%	25	2.52	9.0	91.2	2.8	5.0	2.20±0.4	7.40±0.4
SB2207560KL□-□□□	56.00±10%	25	2.52	8.5	96.5	2.6	4.5	2.20±0.4	7.40±0.4
SB2207680KL□-□□□	68.00±10%	20	2.52	8.0	112.0	2.4	4.0	2.20±0.4	7.40±0.4
SB2207820KL□-□□□	82.00±10%	25	2.52	6.0	144.0	2.2	3.5	2.20±0.4	7.20±0.4
SB2207101KL□-□□□	100.00±10%	20	0.796	5.5	168.0	2.0	3.0	2.20±0.4	7.20±0.4

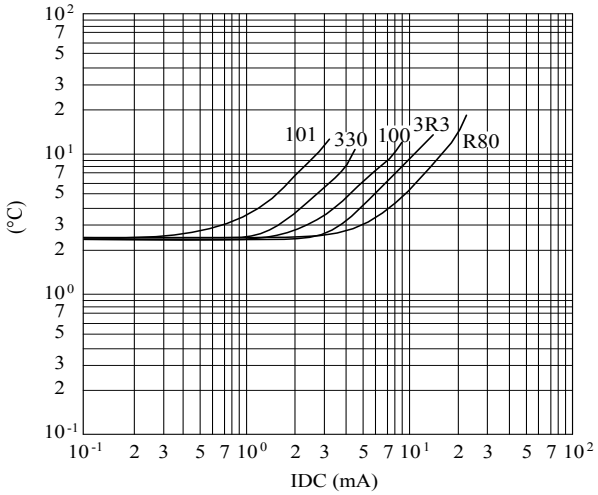
1. Electrical specifications at 25°C
2. Inductance Test Freq. at 100kHz / 0.1V
3. Irms base on Temp. rise 40°C max.
4. Isat base on ΔL/L0A=10% typ .

SB2207 Series

@ Inductance VS. DC Current Curve



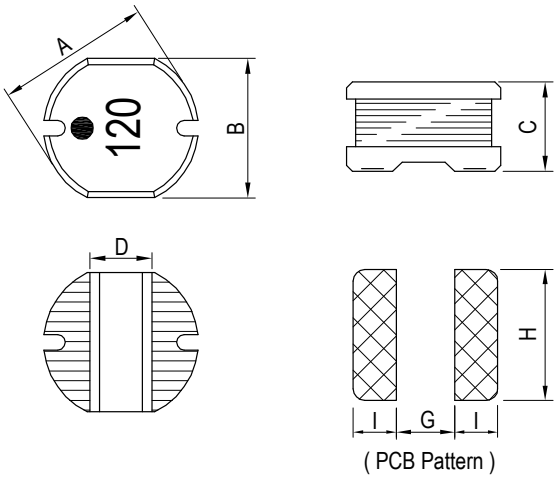
@ DC Current VS. Temp. Rise Curve



SR SERIES

0302 / 0403 / 0502 / 0503

General



Unit: mm

Series	A	B	C	D	G	H	I
SR0302	3.00±0.30	2.80±0.30	2.50±0.30	0.90 typ.	0.80 ref.	3.00 ref.	1.40 ref.
SR0403	4.50±0.30	4.00±0.30	3.20±0.30	1.50 typ.	1.50 ref.	4.50 ref.	1.80 ref.
SR0502	5.00±0.30	4.50±0.30	2.00±0.15	2.00 ref.	1.90 ref.	5.00 ref.	1.80 ref.
SR0503	5.00±0.30	4.50±0.30	3.00±0.30	2.00 ref.	1.90 ref.	5.00 ref.	1.80 ref.

Features

- Open magnetic circuit structure
- Low DCR
- High saturation current ratings
- Operating temp.: -40°C ~ +125°C (including self-temperature rise)

compliant RoHS RoHS & HF compliant

Application

- DC-DC converters
- Consumer electronics

SR0302 Series								
DWG. No.	Inductance (µH)	Q ref.	Test Freq.		SRF (MHz) typ.	RDC (Ω) max.	Irms (A) max.	Isat (A) typ.
			L (Hz) 0.1V	Q (MHz)				
SR03021R0ML□-□□□	1.0±20%	20	100k	7.960	125.0	0.060	2.100	2.700
SR03021R2ML□-□□□	1.2±20%	22	100k	7.960	100.0	0.070	2.000	2.500
SR03021R5ML□-□□□	1.5±20%	23	100k	7.960	95.0	0.070	1.900	2.300
SR03021R8ML□-□□□	1.8±20%	23	100k	7.960	85.0	0.080	1.800	2.000
SR03022R2ML□-□□□	2.2±20%	22	100k	7.960	75.0	0.090	1.650	1.850
SR03022R7ML□-□□□	2.7±20%	22	100k	7.960	72.0	0.100	1.500	1.700
SR03023R3ML□-□□□	3.3±20%	23	100k	7.960	68.0	0.110	1.400	1.600
SR03023R9ML□-□□□	3.9±20%	24	100k	7.960	50.0	0.120	1.300	1.500
SR03024R7ML□-□□□	4.7±20%	18	100k	7.960	45.0	0.150	1.200	1.350
SR03025R6ML□-□□□	5.6±20%	18	100k	7.960	42.0	0.160	1.100	1.300
SR03026R8ML□-□□□	6.8±20%	18	100k	7.960	40.0	0.180	1.000	1.200
SR03028R2ML□-□□□	8.2±20%	16	100k	7.960	35.0	0.200	0.900	1.050
SR0302100ML□-□□□	10.0±20%	18	100k	2.520	34.0	0.250	0.800	0.900
SR0302120ML□-□□□	12.0±20%	15	100k	2.520	33.0	0.280	0.750	0.850
SR0302150ML□-□□□	15.0±20%	20	100k	2.520	32.0	0.400	0.650	0.800
SR0302180ML□-□□□	18.0±20%	18	100k	2.520	28.0	0.460	0.580	0.750
SR0302220ML□-□□□	22.0±20%	23	100k	2.520	22.0	0.660	0.520	0.650
SR0302270ML□-□□□	27.0±20%	23	100k	2.520	20.0	0.750	0.480	0.550
SR0302330KL□-□□□	33.0±10%	20	100k	2.520	18.0	0.850	0.420	0.500
SR0302390KL□-□□□	39.0±10%	24	100k	2.520	18.0	1.120	0.380	0.450
SR0302470KL□-□□□	47.0±10%	23	100k	2.520	17.0	1.270	0.360	0.400
SR0302560KL□-□□□	56.0±10%	18	100k	2.520	16.0	1.450	0.340	0.350
SR0302680KL□-□□□	68.0±10%	24	100k	2.520	14.0	1.850	0.300	0.320
SR0302820KL□-□□□	82.0±10%	24	100k	2.520	12.0	2.100	0.280	0.300
SR0302101KL□-□□□	100.0±10%	40	100k	0.796	10.0	2.850	0.260	0.280
SR0302121KL□-□□□	120.0±10%	40	100k	0.796	10.0	3.200	0.220	0.250
SR0302151KL□-□□□	150.0±10%	38	100k	0.796	9.0	4.600	0.200	0.230
SR0302181KL□-□□□	180.0±10%	45	100k	0.796	8.5	5.000	0.185	0.210
SR0302221KL□-□□□	220.0±10%	40	100k	0.796	8.0	5.700	0.170	0.190
SR0302271KL□-□□□	270.0±10%	45	100k	0.796	7.0	8.600	0.150	0.170
SR0302331KL□-□□□	330.0±10%	40	100k	0.796	6.0	10.000	0.130	0.150
SR0302391KL□-□□□	390.0±10%	40	100k	0.796	5.5	10.800	0.120	0.140
SR0302471KL□-□□□	470.0±10%	42	100k	0.796	5.0	14.300	0.105	0.130
SR0302561KL□-□□□	560.0±10%	43	100k	0.796	4.8	16.000	0.095	0.120
SR0302681KL□-□□□	680.0±10%	43	100k	0.796	4.3	18.000	0.085	0.110
SR0302821KL□-□□□	820.0±10%	45	100k	0.796	4.0	22.500	0.080	0.100
SR0302102KL□-□□□	1000.0±10%	40	100k	0.252	3.2	26.000	0.070	0.090
SR0302122KL□-□□□	1200.0±10%	40	100k	0.252	3.0	30.000	0.060	0.080

SR0403 Series						
DWG. No.	Inductance (µH)	Q ref.	Test Freq. (Hz)		RDC (Ω) max.	IDC (A) max.
			L	Q		
SR04031R0ML□-□□□	1.0±20%	28	1k	7.960M	0.033	3.800
SR04031R4ML□-□□□	1.4±20%	28	1k	7.960M	0.038	3.300
SR04031R8ML□-□□□	1.8±20%	28	1k	7.960M	0.042	2.910
SR04032R2ML□-□□□	2.2±20%	28	1k	7.960M	0.047	2.600
SR04032R7ML□-□□□	2.7±20%	28	1k	7.960M	0.052	2.430
SR04033R3ML□-□□□	3.3±20%	28	1k	7.960M	0.058	2.150
SR04033R9ML□-□□□	3.9±20%	28	1k	7.960M	0.076	1.980
SR04034R7ML□-□□□	4.7±20%	28	1k	7.960M	0.094	1.700
SR04035R6ML□-□□□	5.6±20%	28	1k	7.960M	0.101	1.600
SR04036R8ML□-□□□	6.8±20%	28	1k	7.960M	0.117	1.410
SR04038R2ML□-□□□	8.2±20%	28	1k	7.960M	0.132	1.260
SR0403100ML□-□□□	10.0±20%	28	1k	2.520M	0.182	1.150
SR0403120ML□-□□□	12.0±20%	28	1k	2.520M	0.210	1.050
SR0403150ML□-□□□	15.0±20%	28	1k	2.520M	0.235	0.920
SR0403180ML□-□□□	18.0±20%	25	1k	2.520M	0.338	0.840
SR0403220ML□-□□□	22.0±20%	25	1k	2.520M	0.378	0.760
SR0403270ML□-□□□	27.0±20%	20	1k	2.520M	0.522	0.710
SR0403330KL□-□□□	33.0±10%	20	1k	2.520M	0.540	0.640
SR0403390KL□-□□□	39.0±10%	20	1k	2.520M	0.587	0.590
SR0403470KL□-□□□	47.0±10%	20	1k	2.520M	0.844	0.540
SR0403560KL□-□□□	56.0±10%	20	1k	2.520M	0.937	0.500
SR0403680KL□-□□□	68.0±10%	20	1k	2.520M	1.117	0.460
SR0403820KL□-□□□	82.0±10%	25	1k	2.520M	1.270	0.420
SR0403101KL□-□□□	100.0±10%	35	1k	0.796M	1.900	0.350
SR0403121KL□-□□□	120.0±10%	50	1k	0.796M	2.200	0.320
SR0403151KL□-□□□	150.0±10%	50	1k	0.796M	3.400	0.260
SR0403181KL□-□□□	180.0±10%	50	1k	0.796M	3.900	0.240
SR0403221KL□-□□□	220.0±10%	50	1k	0.796M	4.400	0.220
SR0403271KL□-□□□	270.0±10%	45	1k	0.796M	5.000	0.200
SR0403331KL□-□□□	330.0±10%	40	1k	0.796M	6.000	0.170
SR0403391KL□-□□□	390.0±10%	40	1k	0.796M	6.400	0.150
SR0403471KL□-□□□	470.0±10%	50	1k	0.796M	7.000	0.130
SR0403561KL□-□□□	560.0±10%	50	1k	0.796M	7.800	0.120
SR0403681KL□-□□□	680.0±10%	40	1k	0.796M	8.600	0.110
SR0403821KL□-□□□	820.0±10%	38	1k	0.796M	12.000	0.100
SR0403102KL□-□□□	1000.0±10%	38	1k	0.252M	14.000	0.090

SR0502 Series							
DWG. No.	Inductance (µH)	Q ref.	Test Freq. (Hz)		RDC (Ω) max.	Irms (mA) max.	Isat (mA) typ.
			L	Q			
SR0502101ML□-□□□	100.0±20%	20	100k/0.1V	796k	1.5	270	265
SR0502121ML□-□□□	120.0±20%	27	100k/0.1V	796k	1.7	252	245
SR0502151ML□-□□□	150.0±20%	28	100k/0.1V	796k	2.2	237	232
SR0502181ML□-□□□	180.0±20%	25	100k/0.1V	796k	2.5	220	215
SR0502221ML□-□□□	220.0±20%	32	100k/0.1V	796k	3.2	204	200
SR0502271ML□-□□□	270.0±20%	30	100k/0.1V	796k	3.9	190	182
SR0502331ML□-□□□	330.0±20%	40	100k/0.1V	796k	5.0	174	165
SR0502391ML□-□□□	390.0±20%	40	100k/0.1V	796k	5.4	156	148
SR0502471ML□-□□□	470.0±20%	32	100k/0.1V	796k	6.5	140	130
SR0502561ML□-□□□	560.0±20%	45	100k/0.1V	796k	8.8	125	120
SR0502681ML□-□□□	680.0±20%	40	100k/0.1V	796k	10.5	110	105
SR0502821ML□-□□□	820.0±20%	35	100k/0.1V	796k	12.0	97	95
SR0502102ML□-□□□	1000.0±20%	42	100k/0.1V	252k	16.0	85	85
SR0502122ML□-□□□	1200.0±20%	44	100k/0.1V	252k	18.5	76	80
SR0502152ML□-□□□	1500.0±20%	40	100k/0.1V	252k	22.0	70	72
SR0502182ML□-□□□	1800.0±20%	40	100k/0.1V	252k	28.5	65	68
SR0502222ML□-□□□	2200.0±20%	40	100k/0.1V	252k	34.5	60	62
SR0502272ML□-□□□	2700.0±20%	40	100k/0.1V	252k	40.0	53	55

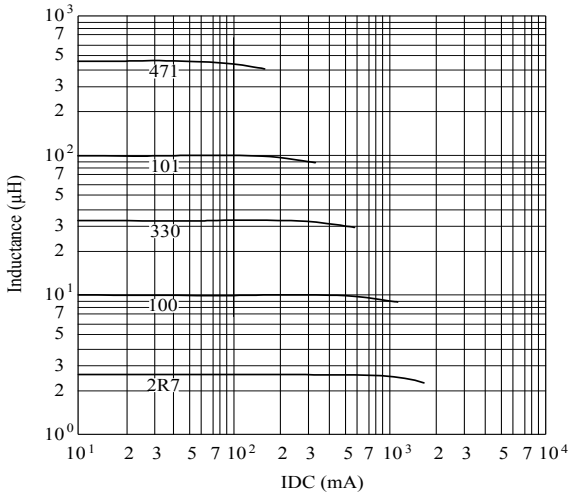
SR0503 Series							
DWG. No.	Inductance (µH)	Q ref.	Test Freq. (Hz)		SRF (MHz) nom.	RDC (Ω) max.	IDC (A) max.
			L	Q			
SR0503R50YL□-□□□	0.5±30%	28	7.960M	7.960M	40.00	0.012	4.000
SR05031R0ML□-□□□	1.0±20%	28	7.960M	7.960M	40.00	0.016	3.000
SR05031R2ML□-□□□	1.2±20%	28	7.960M	7.960M	39.00	0.020	2.800
SR05031R8ML□-□□□	1.8±20%	28	7.960M	7.960M	38.00	0.030	2.500
SR05032R7ML□-□□□	2.7±20%	28	7.960M	7.960M	38.00	0.040	2.100
SR05033R3ML□-□□□	3.3±20%	25	7.960M	7.960M	37.00	0.056	1.900
SR05033R9ML□-□□□	3.9±20%	25	7.960M	7.960M	36.00	0.062	1.850
SR05034R7ML□-□□□	4.7±20%	25	7.960M	7.960M	35.00	0.068	1.700
SR05035R6ML□-□□□	5.6±20%	25	7.960M	7.960M	34.00	0.072	1.600
SR05036R8ML□-□□□	6.8±20%	25	7.960M	7.960M	33.00	0.088	1.450
SR05038R2ML□-□□□	8.2±20%	20	7.960M	7.960M	32.00	0.099	1.350
SR0503100ML□-□□□	10.0±20%	20	1k	2.520M	30.00	0.130	1.300
SR0503120ML□-□□□	12.0±20%	20	1k	2.520M	29.00	0.160	1.200
SR0503150ML□-□□□	15.0±20%	20	1k	2.520M	27.00	0.190	1.050
SR0503180ML□-□□□	18.0±20%	20	1k	2.520M	24.00	0.210	0.950
SR0503220ML□-□□□	22.0±20%	20	1k	2.520M	22.00	0.280	0.900
SR0503270ML□-□□□	27.0±20%	20	1k	2.520M	20.00	0.320	0.800
SR0503330KL□-□□□	33.0±10%	15	1k	2.520M	17.50	0.380	0.700
SR0503390KL□-□□□	39.0±10%	15	1k	2.520M	17.00	0.420	0.650
SR0503470KL□-□□□	47.0±10%	20	1k	2.520M	14.00	0.600	0.600
SR0503560KL□-□□□	56.0±10%	20	1k	2.520M	13.00	0.710	0.500
SR0503680KL□-□□□	68.0±10%	20	1k	2.520M	12.00	0.760	0.450
SR0503820KL□-□□□	82.0±10%	15	1k	2.520M	10.00	0.880	0.420
SR0503101KL□-□□□	100.0±10%	40	1k	0.796M	8.50	1.600	0.400
SR0503121KL□-□□□	120.0±10%	40	1k	0.796M	8.00	1.700	0.370
SR0503151KL□-□□□	150.0±10%	40	1k	0.796M	7.20	2.000	0.330
SR0503181KL□-□□□	180.0±10%	40	1k	0.796M	6.90	2.300	0.300

SR0503 Series							
DWG. No.	Inductance (μH)	Q ref.	Test Freq. (Hz)		SRF (MHz) nom.	RDC (Ω) max.	IDC (A) max.
			L	Q			
SR0503221KL□-□□□	220.0±10%	35	1k	0.796M	6.20	2.500	0.250
SR0503271KL□-□□□	270.0±10%	35	1k	0.796M	5.70	2.900	0.230
SR0503331KL□-□□□	330.0±10%	30	1k	0.796M	5.30	3.300	0.210
SR0503391KL□-□□□	390.0±10%	30	1k	0.796M	4.90	3.700	0.190
SR0503471KL□-□□□	470.0±10%	30	1k	0.796M	4.60	4.900	0.180
SR0503561KL□-□□□	560.0±10%	30	1k	0.796M	4.20	5.700	0.160
SR0503681KL□-□□□	680.0±10%	30	1k	0.796M	3.90	7.500	0.140
SR0503821KL□-□□□	820.0±10%	40	1k	0.796M	3.30	10.000	0.120
SR0503102KL□-□□□	1000.0±10%	40	1k	0.252M	3.10	11.500	0.110
SR0503122JL□-□□□	1200.0± 5%	40	1k	0.252M	3.00	12.000	0.063
SR0503152JL□-□□□	1500.0± 5%	40	1k	0.252M	2.40	13.000	0.059
SR0503182JL□-□□□	1800.0± 5%	40	1k	0.252M	2.20	15.000	0.055
SR0503222JL□-□□□	2200.0± 5%	40	1k	0.252M	2.30	22.000	0.053
SR0503272JL□-□□□	2700.0± 5%	40	1k	0.252M	2.10	26.000	0.050
SR0503332JL□-□□□	3300.0± 5%	40	1k	0.252M	1.90	38.000	0.045
SR0503392JL□-□□□	3900.0± 5%	40	1k	0.252M	1.50	40.000	0.042
SR0503472JL□-□□□	4700.0± 5%	40	1k	0.252M	1.40	48.000	0.040
SR0503562JL□-□□□	5600.0± 5%	40	1k	0.252M	1.30	72.000	0.038
SR0503682JL□-□□□	6800.0± 5%	40	1k	0.252M	1.20	80.000	0.034
SR0503822JL□-□□□	8200.0± 5%	40	1k	0.252M	1.00	92.000	0.030
SR0503103JL□-□□□	10000.0± 5%	30	1k	79.600k	0.95	110.000	0.027
SR0503123JL□-□□□	12000.0± 5%	30	1k	79.600k	0.85	148.000	0.025
SR0503153JL□-□□□	15000.0± 5%	30	1k	79.600k	0.80	168.000	0.020

1. Electrical specifications at 25°C
2. IDC base on ΔL/L0A=10% max. & Temp. rise 40°C max.

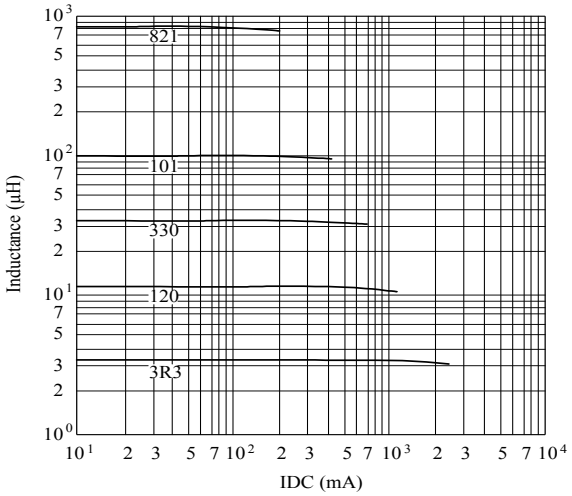
SR0302 Seies

@ Inductance VS. DC Current Curve



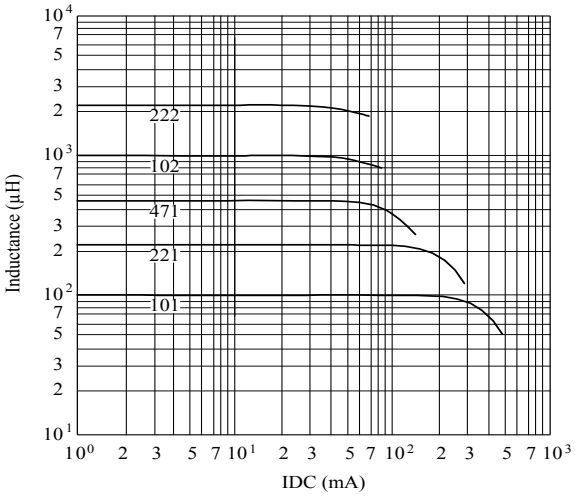
SR0403 Seies

@ Inductance VS. DC Current Curve



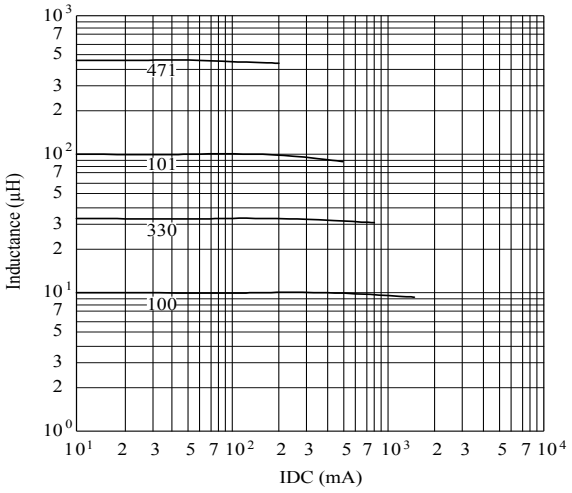
SR0502 Seies

@ Inductance VS. DC Current Curve



SR0503 Seies

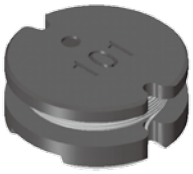
@ Inductance VS. DC Current Curve

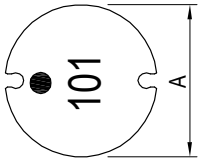


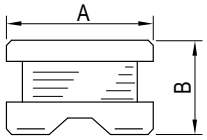
SR SERIES

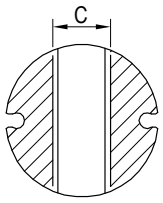
0602 / 0603 / 0805

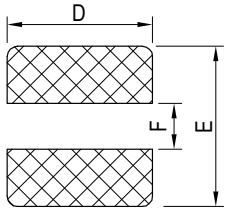
General











(PCB Pattern)

Unit: mm

Series	A	B	C	D	E	F
SR0602	5.60±0.20	2.50±0.30	2.30 ref.	5.80 ref.	6.00 ref.	1.70 ref.
SR0603	5.60±0.20	3.70±0.30	2.30 ref.	5.80 ref.	6.00 ref.	1.70 ref.
SR0805	7.50±0.30	5.00±0.30	2.60 ref.	8.00 ref.	7.80 ref.	2.40 ref.

Features

- Open magnetic circuit structure
- Low DCR
- High saturation current ratings
- Operating temp.: -40°C ~ +125°C (including self-temperature rise)

compliant RoHS

RoHS & HF compliant

Application

- DC-DC converters
- Consumer electronics

SR0602 Series								
DWG. No.	Inductance (µH)	Q ref.	Test Freq. (Hz)		SRF (MHz) nom.	RDC (mΩ) max.	Irms (A) max.	Isat (A) typ.
			L	Q				
SR06021R0ML□-□□□	1.0±20%	14	100k	7.960M	90.0	30	4.50	4.60
SR06021R4ML□-□□□	1.4±20%	14	100k	7.960M	80.0	35	4.00	4.20
SR06021R8ML□-□□□	1.8±20%	13	100k	7.960M	70.0	40	3.30	3.50
SR06022R2ML□-□□□	2.2±20%	13	100k	7.960M	60.0	45	3.00	3.20
SR06022R7ML□-□□□	2.7±20%	13	100k	7.960M	55.0	50	2.80	3.00
SR06023R3ML□-□□□	3.3±20%	12	100k	7.960M	50.0	55	2.60	2.90
SR06023R9ML□-□□□	3.9±20%	12	100k	7.960M	45.0	60	2.40	2.70
SR06024R7ML□-□□□	4.7±20%	11	100k	7.960M	40.0	70	2.20	2.40
SR06025R6ML□-□□□	5.6±20%	11	100k	7.960M	36.0	85	2.00	2.30
SR06026R8ML□-□□□	6.8±20%	11	100k	7.960M	32.0	100	1.80	2.00
SR06028R2ML□-□□□	8.2±20%	11	100k	7.960M	30.0	110	1.60	1.90
SR0602100ML□-□□□	10.0±20%	15	100k	2.520M	26.0	140	1.50	1.70
SR0602120ML□-□□□	12.0±20%	15	100k	2.520M	24.0	150	1.40	1.60
SR0602150ML□-□□□	15.0±20%	15	100k	2.520M	22.0	180	1.30	1.45
SR0602180ML□-□□□	18.0±20%	15	100k	2.520M	20.0	220	1.20	1.30
SR0602220ML□-□□□	22.0±20%	15	100k	2.520M	18.0	280	1.00	1.10
SR0602270ML□-□□□	27.0±20%	12	100k	2.520M	16.0	320	0.90	1.05
SR0602330KL□-□□□	33.0±10%	12	100k	2.520M	15.0	420	0.85	1.00
SR0602390KL□-□□□	39.0±10%	12	100k	2.520M	14.0	480	0.75	0.80
SR0602470KL□-□□□	47.0±10%	12	100k	2.520M	12.0	560	0.73	0.75
SR0602560KL□-□□□	56.0±10%	12	100k	2.520M	11.0	700	0.65	0.70
SR0602680KL□-□□□	68.0±10%	12	100k	2.520M	10.0	820	0.60	0.65
SR0602820KL□-□□□	82.0±10%	12	100k	2.520M	9.5	1100	0.52	0.60
SR0602101KL□-□□□	100.0±10%	22	100k	796k	8.5	1250	0.46	0.55
SR0602121KL□-□□□	120.0±10%	22	100k	796k	8.0	1350	0.40	0.52
SR0602151KL□-□□□	150.0±10%	22	100k	796k	7.0	1650	0.36	0.46
SR0602181KL□-□□□	180.0±10%	24	100k	796k	6.5	1900	0.30	0.40
SR0602221KL□-□□□	220.0±10%	24	100k	796k	6.0	2200	0.28	0.35
SR0602271KL□-□□□	270.0±10%	24	100k	796k	5.5	3000	0.26	0.30
SR0602331KL□-□□□	330.0±10%	34	100k	796k	5.0	3800	0.20	0.25
SR0602391KL□-□□□	390.0±10%	34	100k	796k	4.5	4300	0.18	0.22
SR0602471KL□-□□□	470.0±10%	36	100k	796k	4.0	5200	0.16	0.20
SR0602561KL□-□□□	560.0±10%	36	100k	796k	3.8	6500	0.14	0.18
SR0602681KL□-□□□	680.0±10%	36	100k	796k	3.5	7500	0.13	0.16
SR0602821KL□-□□□	820.0±10%	36	100k	796k	3.0	9800	0.10	0.14
SR0602102KL□-□□□	1000.0±10%	36	100k	252k	2.6	11000	0.08	0.12

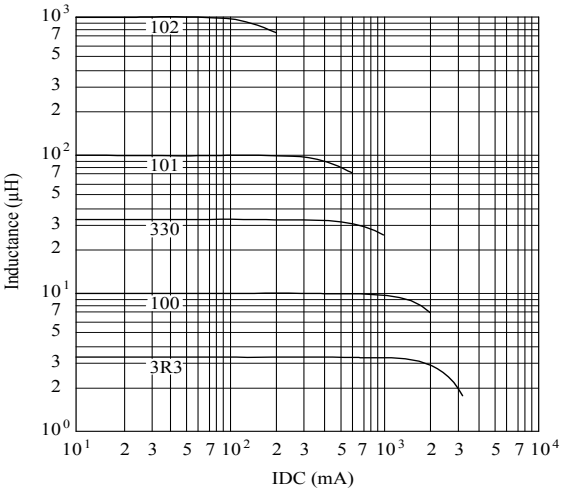
SR0603 Series							
DWG. No.	Inductance (μH)	Q ref.	Test Freq. (Hz)		SRF (MHz) nom.	RDC (Ω) max.	IDC (A) max.
			L	Q			
SR06031R5ML□-□□□	1.5±20%	24	1k	7.960M	85.0	0.040	3.00
SR06032R5ML□-□□□	2.5±20%	21	1k	7.960M	74.0	0.045	2.35
SR06033R3ML□-□□□	3.3±20%	21	1k	7.960M	68.0	0.048	2.20
SR06033R9ML□-□□□	3.9±20%	22	1k	7.960M	62.0	0.050	2.10
SR06034R7ML□-□□□	4.7±20%	20	1k	7.960M	56.0	0.066	1.80
SR06035R0ML□-□□□	5.0±20%	19	1k	7.960M	50.0	0.070	1.60
SR06036R8ML□-□□□	6.8±20%	19	1k	7.960M	44.0	0.110	1.38
SR06037R5ML□-□□□	7.5±20%	19	1k	7.960M	38.0	0.120	1.29
SR0603100ML□-□□□	10.0±20%	24	1k	2.520M	34.0	0.150	1.14
SR0603120ML□-□□□	12.0±20%	23	1k	2.520M	30.0	0.160	1.02
SR0603150ML□-□□□	15.0±20%	22	1k	2.520M	28.0	0.180	0.93
SR0603180ML□-□□□	18.0±20%	23	1k	2.520M	24.0	0.250	0.82
SR0603220ML□-□□□	22.0±20%	20	1k	2.520M	20.0	0.275	0.75
SR0603270ML□-□□□	27.0±20%	19	1k	2.520M	19.0	0.300	0.67
SR0603330KL□-□□□	33.0±10%	23	1k	2.520M	15.0	0.450	0.61
SR0603390KL□-□□□	39.0±10%	22	1k	2.520M	13.0	0.460	0.56
SR0603470KL□-□□□	47.0±10%	20	1k	2.520M	13.0	0.550	0.52
SR0603560KL□-□□□	56.0±10%	17	1k	2.520M	12.0	0.615	0.48
SR0603680KL□-□□□	68.0±10%	17	1k	2.520M	12.0	0.720	0.44
SR0603820KL□-□□□	82.0±10%	15	1k	2.520M	11.0	0.840	0.40
SR0603101KL□-□□□	100.0±10%	28	1k	796k	9.6	0.950	0.38
SR0603121KL□-□□□	120.0±10%	27	1k	796k	8.1	1.100	0.36
SR0603151KL□-□□□	150.0±10%	28	1k	796k	7.5	1.430	0.32
SR0603181KL□-□□□	180.0±10%	26	1k	796k	6.9	1.600	0.30
SR0603221KL□-□□□	220.0±10%	26	1k	796k	5.5	2.000	0.26
SR0603271KL□-□□□	270.0±10%	26	1k	796k	4.9	2.400	0.24
SR0603331KL□-□□□	330.0±10%	28	1k	796k	4.7	3.200	0.20
SR0603391KL□-□□□	390.0±10%	28	1k	796k	4.1	3.400	0.18
SR0603471KL□-□□□	470.0±10%	29	1k	796k	3.5	4.550	0.15

SR0805 Series								
DWG. No.	Inductance (μH)	Q ref.	Test Freq. (Hz)		SRF (MHz) nom.	RDC (Ω) max.	Isat (A) typ.	Irms (A) typ.
			L	Q				
SR08051R5ML□-□□□	1.5±20%	32	1k/1V	7.960M	120.0	0.015	10.500	7.200
SR08052R5ML□-□□□	2.5±20%	32	1k/1V	7.960M	70.0	0.020	8.200	5.900
SR08053R3ML□-□□□	3.3±20%	32	1k/1V	7.960M	55.0	0.022	7.300	5.600
SR08053R9ML□-□□□	3.9±20%	32	1k/1V	7.960M	45.0	0.024	6.500	5.200
SR08054R7ML□-□□□	4.7±20%	31	1k/1V	7.960M	38.0	0.033	6.000	4.200
SR08055R6ML□-□□□	5.6±20%	31	1k/1V	7.960M	34.0	0.035	5.500	4.000
SR08056R8ML□-□□□	6.8±20%	30	1k/1V	7.960M	33.0	0.040	4.800	3.600
SR08058R2ML□-□□□	8.2±20%	29	1k/1V	7.960M	30.0	0.050	4.300	3.400
SR0805100ML□-□□□	10.0±20%	25	1k/1V	2.520M	22.0	0.070	4.000	3.000
SR0805120ML□-□□□	12.0±20%	25	1k/1V	2.520M	20.0	0.080	3.700	2.750
SR0805150ML□-□□□	15.0±20%	25	1k/1V	2.520M	16.0	0.090	3.200	2.600
SR0805180ML□-□□□	18.0±20%	20	1k/1V	2.520M	15.0	0.100	3.000	2.500
SR0805220ML□-□□□	22.0±20%	20	1k/1V	2.520M	13.0	0.110	2.700	2.300
SR0805270ML□-□□□	27.0±20%	20	1k/1V	2.520M	12.0	0.120	2.500	2.200
SR0805330KL□-□□□	33.0±10%	15	1k/1V	2.520M	10.0	0.140	2.200	2.000
SR0805390KL□-□□□	39.0±10%	15	1k/1V	2.520M	9.5	0.160	2.000	1.900
SR0805470KL□-□□□	47.0±10%	15	1k/1V	2.520M	9.0	0.200	1.900	1.650
SR0805560KL□-□□□	56.0±10%	15	1k/1V	2.520M	8.5	0.240	1.700	1.500
SR0805680KL□-□□□	68.0±10%	15	1k/1V	2.520M	8.0	0.300	1.500	1.350
SR0805820KL□-□□□	82.0±10%	12	1k/1V	2.520M	7.0	0.370	1.400	1.250
SR0805101KL□-□□□	100.0±10%	12	1k/1V	0.796M	6.5	0.450	1.250	1.050
SR0805121KL□-□□□	120.0±10%	12	1k/1V	0.796M	5.6	0.480	1.150	1.000
SR0805151KL□-□□□	150.0±10%	12	1k/1V	0.796M	5.5	0.680	1.000	0.850
SR0805181KL□-□□□	180.0±10%	12	1k/1V	0.796M	5.0	0.770	0.900	0.700
SR0805221KL□-□□□	220.0±10%	12	1k/1V	0.796M	4.8	0.960	0.850	0.630
SR0805271KL□-□□□	270.0±10%	12	1k/1V	0.796M	4.5	1.110	0.750	0.600
SR0805331KL□-□□□	330.0±10%	12	1k/1V	0.796M	4.3	1.260	0.700	0.560
SR0805391KL□-□□□	390.0±10%	12	1k/1V	0.796M	4.0	1.770	0.650	0.500
SR0805471KL□-□□□	470.0±10%	12	1k/1V	0.796M	3.8	1.960	0.600	0.480
SR0805561KL□-□□□	560.0±10%	30	1k/1V	0.796M	3.7	2.500	0.550	0.420
SR0805681KL□-□□□	680.0±10%	29	1k/1V	0.796M	3.5	2.800	0.480	0.380
SR0805821KL□-□□□	820.0±10%	28	1k/1V	0.796M	3.2	4.000	0.450	0.320
SR0805102KL□-□□□	1000.0±10%	27	1k/1V	0.252M	3.0	4.500	0.400	0.300
SR0805122KL□-□□□	1200.0±10%	28	1k/1V	0.252M	2.6	6.800	0.370	0.230
SR0805152KL□-□□□	1500.0±10%	27	1k/1V	0.252M	2.4	8.000	0.330	0.220
SR0805182KL□-□□□	1800.0±10%	30	1k/1V	0.252M	1.6	9.200	0.300	0.210
SR0805222KL□-□□□	2200.0±10%	29	1k/1V	0.252M	1.5	10.000	0.270	0.200
SR0805272KL□-□□□	2700.0±10%	31	1k/1V	0.252M	1.4	11.800	0.250	0.190
SR0805332KL□-□□□	3300.0±10%	28	1k/1V	0.252M	1.2	16.500	0.220	0.170
SR0805392KL□-□□□	3900.0±10%	28	1k/1V	0.252M	1.1	18.000	0.210	0.160
SR0805472KL□-□□□	4700.0±10%	30	1k/1V	0.252M	1.0	21.000	0.190	0.150

1. Electrical specifications at 25°C
2. Isat base on ΔL/L0A=10% typ.
3. Irms base on Temp. rise 40°C typ.

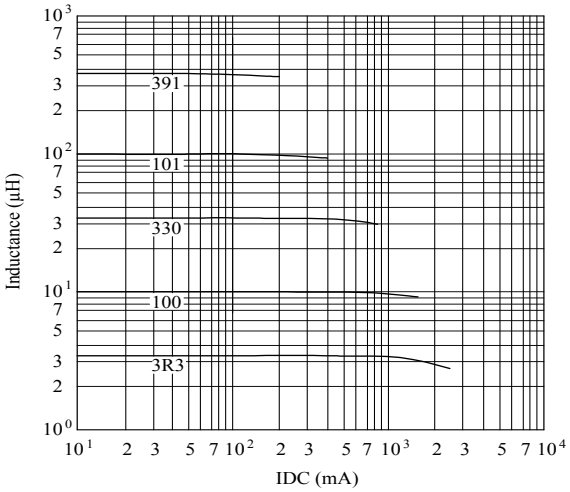
SR0602 Seies

@ Inductance VS. DC Current Curve



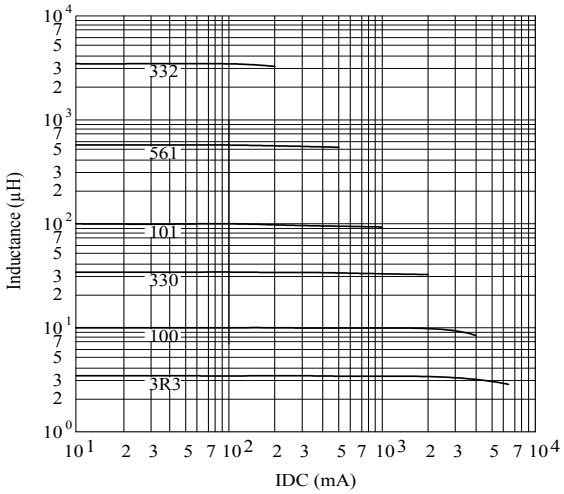
SR0603 Seies

@ Inductance VS. DC Current Curve



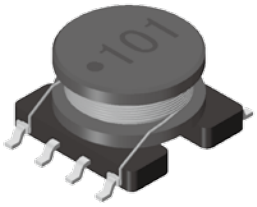
SR0805 Seies

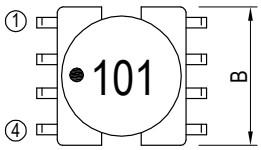
@ Inductance VS. DC Current Curve

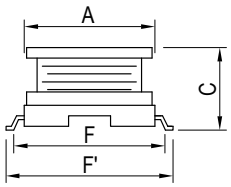


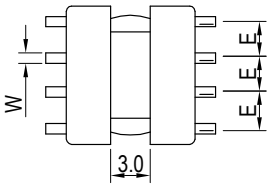
SR SERIES 0906

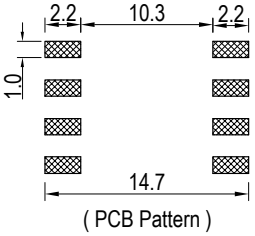
General

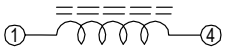












Unit: mm

Series	A	B	C	E	F	F'	W
SR0906	9.50±0.50	10.50 max.	6.00±0.30	2.50±0.30	11.0±0.50	12.70±0.80	0.60 typ.

Features

- Open magnetic circuit structure
- Low DCR
- High saturation current ratings
- Operating temp.: -40°C ~ +125°C (including self-temperature rise)

compliant RoHS

RoHS & HF compliant

Application

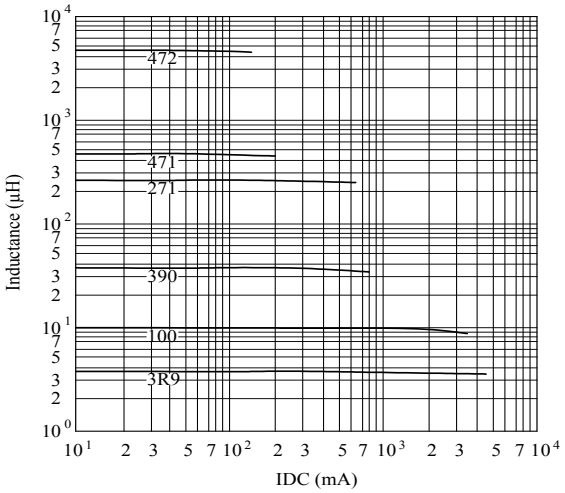
- DC-DC converters
- Consumer electronics

SR0906 Series							
DWG. No.	Inductance (μH)	Q ref.	Test Freq. (Hz)		SRF (MHz) nom.	RDC (Ω) max.	IDC (A) max.
			L	Q			
SR09062R2ML□-□□□	2.2±20%	30	1k	7.960M	105.0	0.032	4.00
SR09062R7ML□-□□□	2.7±20%	30	1k	7.960M	84.0	0.038	3.50
SR09063R9ML□-□□□	3.9±20%	28	1k	7.960M	77.0	0.043	3.30
SR09064R7ML□-□□□	4.7±20%	28	1k	7.960M	55.0	0.050	3.00
SR09065R6ML□-□□□	5.6±20%	28	1k	7.960M	42.0	0.055	2.80
SR09066R8ML□-□□□	6.8±20%	27	1k	7.960M	36.0	0.060	2.60
SR09068R2ML□-□□□	8.2±20%	27	1k	7.960M	29.0	0.065	2.40
SR0906100ML□-□□□	10.0±20%	35	1k	2.520M	25.0	0.090	2.10
SR0906120ML□-□□□	12.0±20%	35	1k	2.520M	23.0	0.100	2.00
SR0906150ML□-□□□	15.0±20%	35	1k	2.520M	22.0	0.110	1.90
SR0906180ML□-□□□	18.0±20%	35	1k	2.520M	19.0	0.120	1.80
SR0906220ML□-□□□	22.0±20%	35	1k	2.520M	16.0	0.130	1.60
SR0906270KL□-□□□	27.0±10%	35	1k	2.520M	15.0	0.150	1.40
SR0906330KL□-□□□	33.0±10%	35	1k	2.520M	13.5	0.180	1.25
SR0906390KL□-□□□	39.0±10%	25	1k	2.520M	13.0	0.190	1.15
SR0906470KL□-□□□	47.0±10%	25	1k	2.520M	12.2	0.230	1.10
SR0906560KL□-□□□	56.0±10%	25	1k	2.520M	12.0	0.260	1.05
SR0906680KL□-□□□	68.0±10%	20	1k	2.520M	10.0	0.310	1.00
SR0906820KL□-□□□	82.0±10%	20	1k	2.520M	9.2	0.330	0.95
SR0906101KL□-□□□	100.0±10%	15	1k	0.796M	9.0	0.390	0.90
SR0906121KL□-□□□	120.0±10%	15	1k	0.796M	8.0	0.430	0.85
SR0906151KL□-□□□	150.0±10%	15	1k	0.796M	7.5	0.560	0.75
SR0906181KL□-□□□	180.0±10%	15	1k	0.796M	7.0	0.640	0.70
SR0906221KL□-□□□	220.0±10%	20	1k	0.796M	6.0	0.850	0.60
SR0906271KL□-□□□	270.0±10%	20	1k	0.796M	5.5	1.000	0.55
SR0906331KL□-□□□	330.0±10%	15	1k	0.796M	5.3	1.270	0.50
SR0906391KL□-□□□	390.0±10%	15	1k	0.796M	5.0	1.400	0.45
SR0906471KL□-□□□	470.0±10%	15	1k	0.796M	4.8	1.630	0.40
SR0906561KL□-□□□	560.0±10%	15	1k	0.796M	4.5	2.100	0.32
SR0906681KL□-□□□	680.0±10%	15	1k	0.796M	4.0	2.400	0.28
SR0906821KL□-□□□	820.0±10%	15	1k	0.796M	3.5	2.750	0.24
SR0906102KL□-□□□	1000.0±10%	60	1k	0.252M	2.5	3.500	0.22
SR0906122KL□-□□□	1200.0±10%	60	1k	0.252M	2.0	4.000	0.20
SR0906152KL□-□□□	1500.0±10%	70	1k	0.252M	2.0	5.000	0.18
SR0906182KL□-□□□	1800.0±10%	60	1k	0.252M	1.9	5.800	0.17
SR0906222KL□-□□□	2200.0±10%	94	1k	0.252M	1.6	8.000	0.14
SR0906272KL□-□□□	2700.0±10%	90	1k	0.252M	1.3	9.000	0.13
SR0906332KL□-□□□	3300.0±10%	78	1k	0.252M	1.3	10.000	0.12
SR0906392KL□-□□□	3900.0±10%	96	1k	0.252M	1.2	13.500	0.10
SR0906472KL□-□□□	4700.0±10%	86	1k	0.252M	1.0	15.000	0.09
SR0906562KL□-□□□	5600.0±10%	100	1k	0.252M	1.0	20.000	0.07
SR0906682KL□-□□□	6800.0±10%	90	1k	0.252M	0.9	23.000	0.06
SR0906822KL□-□□□	8200.0±10%	100	1k	0.252M	0.8	28.000	0.05
SR0906103KL□-□□□	10000.0±10%	100	1k	79.6k	0.7	33.000	0.04

1. Electrical specifications at 25°C
2. IDC base on ΔL/L0A=10% max. & Temp. rise 40°C max.

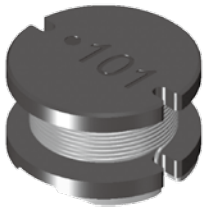
SR0906 Seies

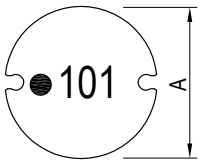
@ Inductance VS. DC Current Curve

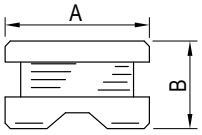


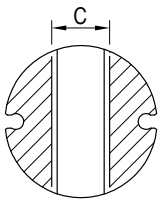
SR SERIES 1006

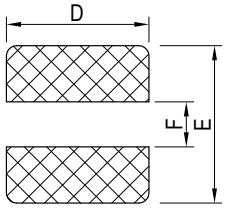
General











(PCB Pattern)

Unit: mm

Series	A	B	C	D	E	F
SR1006	9.50±0.30	5.50±0.30	2.90 ref.	10.00 ref.	10.00 ref.	2.80 ref.

Features

- Open magnetic circuit structure
- Low DCR
- High saturation current ratings
- Operating temp.: -40°C ~ +125°C (including self-temperature rise)

compliant RoHS

RoHS & HF compliant

Application

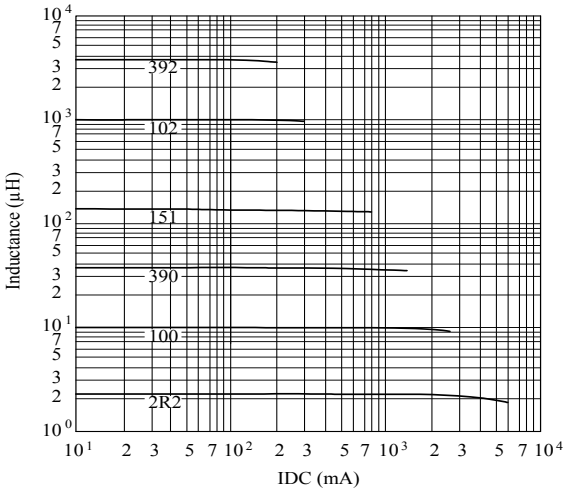
- DC-DC converters
- Consumer electronics

SR1006 Seies								
DWG. No.	Inductance (μH)	Q ref.	Test Freq. (Hz)		SRF (MHz) nom.	RDC (Ω) max.	Isat (A) typ.	Irms (A) typ.
			L	Q				
SR10061R5ML□-□□□	1.5±20%	35	1k	7.960M	105.0	0.018	13.00	6.40
SR10062R2ML□-□□□	2.2±20%	35	1k	7.960M	68.0	0.021	11.00	6.00
SR10063R3ML□-□□□	3.3±20%	34	1k	7.960M	55.0	0.024	9.80	5.50
SR10063R9ML□-□□□	3.9±20%	34	1k	7.960M	48.0	0.027	8.60	4.90
SR10064R7ML□-□□□	4.7±20%	33	1k	7.960M	40.0	0.036	7.80	4.20
SR10065R6ML□-□□□	5.6±20%	33	1k	7.960M	35.0	0.040	7.00	4.00
SR10066R8ML□-□□□	6.8±20%	33	1k	7.960M	32.0	0.044	6.20	3.70
SR10068R2ML□-□□□	8.2±20%	31	1k	7.960M	24.0	0.048	6.00	3.50
SR1006100ML□-□□□	10.0±20%	30	1k	2.520M	21.0	0.060	5.40	3.20
SR1006120ML□-□□□	12.0±20%	30	1k	2.520M	20.0	0.070	4.70	3.00
SR1006150ML□-□□□	15.0±20%	30	1k	2.520M	16.0	0.080	4.40	2.70
SR1006180ML□-□□□	18.0±20%	30	1k	2.520M	15.0	0.090	4.10	2.60
SR1006220ML□-□□□	22.0±20%	25	1k	2.520M	13.0	0.100	3.60	2.50
SR1006270ML□-□□□	27.0±20%	25	1k	2.520M	11.0	0.110	3.30	2.44
SR1006330KL□-□□□	33.0±10%	25	1k	2.520M	10.0	0.120	3.00	2.30
SR1006390KL□-□□□	39.0±10%	20	1k	2.520M	9.0	0.140	2.70	2.20
SR1006470KL□-□□□	47.0±10%	20	1k	2.520M	8.0	0.170	2.50	2.00
SR1006560KL□-□□□	56.0±10%	20	1k	2.520M	7.5	0.190	2.30	1.90
SR1006680KL□-□□□	68.0±10%	15	1k	2.520M	7.0	0.220	2.10	1.80
SR1006820KL□-□□□	82.0±10%	15	1k	2.520M	6.0	0.250	2.00	1.70
SR1006101KL□-□□□	100.0±10%	15	1k	0.796M	5.2	0.350	1.70	1.40
SR1006121KL□-□□□	120.0±10%	15	1k	0.796M	5.0	0.400	1.60	1.30
SR1006151KL□-□□□	150.0±10%	15	1k	0.796M	4.5	0.470	1.40	1.20
SR1006181KL□-□□□	180.0±10%	12	1k	0.796M	4.0	0.630	1.30	1.10
SR1006221KL□-□□□	220.0±10%	12	1k	0.796M	3.8	0.730	1.20	1.00
SR1006271KL□-□□□	270.0±10%	12	1k	0.796M	3.5	0.970	1.10	0.90
SR1006331KL□-□□□	330.0±10%	12	1k	0.796M	3.2	1.150	0.95	0.80
SR1006391KL□-□□□	390.0±10%	12	1k	0.796M	3.0	1.300	0.85	0.75
SR1006471KL□-□□□	470.0±10%	12	1k	0.796M	2.5	1.480	0.85	0.70
SR1006561KL□-□□□	560.0±10%	12	1k	0.796M	2.3	1.900	0.75	0.65
SR1006681KL□-□□□	680.0±10%	12	1k	0.796M	2.1	2.250	0.70	0.60
SR1006821KL□-□□□	820.0±10%	10	1k	0.796M	2.0	2.550	0.62	0.50
SR1006102KL□-□□□	1000.0±10%	29	1k	0.252M	1.9	3.100	0.60	0.40
SR1006122KL□-□□□	1200.0±10%	32	1k	0.252M	1.8	4.200	0.54	0.35
SR1006152KL□-□□□	1500.0±10%	31	1k	0.252M	1.7	5.000	0.46	0.32
SR1006182KL□-□□□	1800.0±10%	31	1k	0.252M	1.6	6.800	0.40	0.28
SR1006222KL□-□□□	2200.0±10%	31	1k	0.252M	1.5	7.600	0.38	0.25
SR1006272KL□-□□□	2700.0±10%	32	1k	0.252M	1.4	11.600	0.35	0.21
SR1006332KL□-□□□	3300.0±10%	32	1k	0.252M	1.3	13.500	0.30	0.20
SR1006392KL□-□□□	3900.0±10%	31	1k	0.252M	1.2	14.800	0.28	0.19
SR1006472KL□-□□□	4700.0±10%	32	1k	0.252M	0.8	18.000	0.26	0.16

1. Electrical specifications at 25°C
2. Isat base on ΔL/L0A=10% typ.
3. Irms base on Temp. rise 40°C typ.

SR1006 Seies

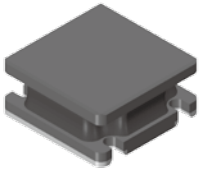
@ Inductance VS. DC Current Curve

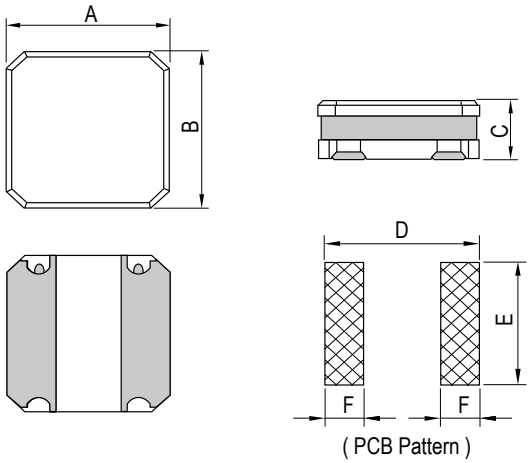


TPI SERIES

3015 / 4018 / 4025 / 5040 / 6045

Standard





Unit: mm

Series	A	B	C	D	E	F
TPI3015	3.00±0.10	3.00±0.10	1.50 max.	3.00	2.70	0.80
TPI4018	4.00±0.20	4.00±0.20	1.88 max. (R82~2R7) 1.80 max. (3R3~221)	4.55	3.60	1.50
TPI4025	4.00±0.20	4.00±0.20	2.50 max.	4.55	3.60	1.50
TPI5040	5.00±0.20	5.00±0.20	4.00 max.	5.10	4.00	1.50
TPI6045	6.00±0.20	6.00±0.20	4.50 max.	6.92	6.22	2.00

Features

- Magnetic resin coating onto coil
- Semi-shielded effect to reduce leakage field
- Extremely low profile
- Low RDC
- High Handling current
- Low power loss
- Operating temp.: -40°C ~ +125°C
  (including self-temperature rise)

compliant RoHS

RoHS & HF compliant

Application

- Power switching regulator circuits
- Portable devices
- Communication devices

TPI3015 Series

DWG. No.	Inductance (µH)	Tolerance	DC Resistance		Rated DC Current (A)	
			(mΩ)	Tolerance	Idc1	Idc2
TPI3015CT1R0□-□□	1.0	N	28	±30%	2.30	2.30
TPI3015CT1R5□-□□	1.5	N	37	±30%	2.10	2.10
TPI3015CT2R2□-□□	2.2	M	58	±20%	1.62	2.00
TPI3015CT2R7□-□□	2.7	M	60	±20%	1.50	1.95
TPI3015CT3R3□-□□	3.3	M	75	±20%	1.35	1.80
TPI3015CT4R7□-□□	4.7	M	100	±20%	1.20	1.60
TPI3015CT5R6□-□□	5.6	M	120	±20%	1.00	1.40
TPI3015CT6R8□-□□	6.8	M	150	±20%	0.97	1.30
TPI3015CT100□-□□	10.0	M	220	±20%	0.80	1.10
TPI3015CT150□-□□	15.0	M	300	±20%	0.65	1.00
TPI3015CT180□-□□	18.0	M	410	±20%	0.57	0.90
TPI3015CT220□-□□	22.0	M	475	±20%	0.55	0.80
TPI3015CT330□-□□	33.0	M	650	±20%	0.45	0.70
TPI3015CT390□-□□	39.0	M	850	±20%	0.40	0.50
TPI3015CT470□-□□	47.0	M	1100	±20%	0.35	0.45
TPI3015CT680□-□□	68.0	M	1700	±20%	0.30	0.35
TPI3015CT820□-□□	82.0	M	1900	±20%	0.27	0.32
TPI3015CT101□-□□	100.0	M	2100	±20%	0.25	0.30

TPI4018 Series

DWG. No.	Inductance (µH)	Tolerance	DC Resistance		Q Typ. Q / @MHz	SRF min. (MHz)	Rated DC Current (A)		Marking
			(mΩ)	Tolerance			Idc1	Idc2	
TPI4018CTR82□-□□	0.82	N	16	±30%	13 / 7.96	100	4.20	4.00	R82
TPI4018CT1R0□-□□	1.00	N	19	±30%	15 / 7.96	90	4.70	3.70	1R0
TPI4018CT1R2□-□□	1.20	N	21	±30%	12 / 7.96	80	4.00	3.50	1R2
TPI4018CT1R5□-□□	1.50	N	27	±30%	13 / 7.96	70	3.50	3.10	1R5
TPI4018CT2R2□-□□	2.20	M	37	±20%	14 / 7.96	60	3.00	2.90	2R2
TPI4018CT2R7□-□□	2.70	M	43	±20%	13 / 7.96	52	2.40	2.30	2R7
TPI4018CT3R3□-□□	3.30	M	55	±20%	13 / 7.96	45	2.30	2.20	3R3
TPI4018CT4R7□-□□	4.70	M	70	±20%	12 / 7.96	35	2.00	1.90	4R7
TPI4018CT6R8□-□□	6.80	M	98	±20%	14 / 7.96	30	1.60	1.50	6R8
TPI4018CT100□-□□	10.00	M	150	±20%	16 / 2.52	25	1.40	1.30	100
TPI4018CT150□-□□	15.00	M	220	±20%	19 / 2.52	18	1.10	1.00	150
TPI4018CT220□-□□	22.00	M	290	±20%	16 / 2.52	15	0.95	0.90	220
TPI4018CT330□-□□	33.00	M	460	±20%	23 / 2.52	12	0.75	0.70	330
TPI4018CT470□-□□	47.00	M	650	±20%	17 / 2.52	10	0.62	0.60	470
TPI4018CT680□-□□	68.00	M	940	±20%	19 / 2.52	8	0.50	0.50	680
TPI4018CT101□-□□	100.00	M	1330	±20%	33 / 0.796	6	0.45	0.42	101
TPI4018CT151□-□□	150.00	M	2000	±20%	35 / 0.796	5	0.35	0.32	151
TPI4018CT221□-□□	220.00	M	2960	±20%	44 / 0.796	3	0.30	0.28	221

TPI4025 Series									
DWG. No.	Inductance (µH)	Tolerance	DC Resistance		Q Typ. Q / @MHz	SRF Typ. (MHz)	Rated DC Current (A)		Marking
			(mΩ)	Tolerance			Idc1	Idc2	
TPI4025CT1R0□-□□	1.0	N	12	±30%	12 / 7.96	141	3.00	3.00	1R0
TPI4025CT1R2□-□□	1.2	N	18	±30%	16 / 7.96	117	2.75	2.75	1R2
TPI4025CT2R2□-□□	2.2	N	22	±30%	14 / 7.96	89	2.10	2.10	2R2
TPI4025CT3R3□-□□	3.3	M	30	±20%	14 / 7.96	69	1.60	1.60	3R3
TPI4025CT4R7□-□□	4.7	M	40	±20%	14 / 7.96	56	1.40	1.40	4R7
TPI4025CT6R8□-□□	6.8	M	70	±20%	14 / 7.96	40	1.20	1.20	6R8
TPI4025CT100□-□□	10.0	M	85	±20%	16 / 2.52	38	0.97	0.97	100
TPI4025CT150□-□□	15.0	M	120	±20%	16 / 2.52	30	0.77	0.77	150
TPI4025CT220□-□□	22.0	M	195	±20%	18 / 2.52	24	0.67	0.67	220
TPI4025CT330□-□□	33.0	M	305	±20%	23 / 2.52	19	0.50	0.50	330
TPI4025CT470□-□□	47.0	M	495	±20%	28 / 2.52	14	0.40	0.40	470
TPI4025CT680□-□□	68.0	M	710	±20%	28 / 2.52	13	0.35	0.35	680
TPI4025CT101□-□□	100.0	M	1000	±20%	44 / 0.796	10	0.30	0.30	101
TPI4025CT151□-□□	150.0	M	1600	±20%	46 / 0.796	8	0.22	0.22	151
TPI4025CT221□-□□	220.0	M	2300	±20%	53 / 0796	6	0.20	0.20	221

TPI5040 Series									
DWG. No.	Inductance (µH)	Tolerance	DC Resistance		Q Typ. Q / @MHz	SRF Typ. (MHz)	Rated DC Current (A)		Marking
			(mΩ)	Tolerance			Idc1	Idc2	
TPI5040CT1R5□-□□	1.5	N	15	±20%	23 / 7.96	95	6.00	3.60	1R5
TPI5040CT2R2□-□□	2.2	N	17	±20%	31 / 7.96	59	4.60	3.50	2R2
TPI5040CT3R3□-□□	3.3	M	22	±20%	32 / 7.96	45	3.80	3.30	3R3
TPI5040CT4R7□-□□	4.7	M	29	±20%	23 / 7.96	39	3.30	3.10	4R7
TPI5040CT6R8□-□□	6.8	M	49	±20%	22 / 7.96	31	2.60	2.30	6R7
TPI5040CT8R2□-□□	8.2	M	54	±20%	22 / 7.96	26	2.40	2.20	8R2
TPI5040CT100□-□□	10.0	M	56	±20%	25 / 2.52	25	2.30	2.10	100
TPI5040CT150□-□□	15.0	M	80	±20%	25 / 2.52	22	2.00	1.80	150
TPI5040CT220□-□□	22.0	M	126	±20%	27 / 2.52	16	1.60	1.40	220
TPI5040CT270□-□□	27.0	M	165	±20%	24 / 2.52	13	1.40	1.30	270
TPI5040CT330□-□□	33.0	M	180	±20%	25 / 2.52	12	1.30	1.20	330
TPI5040CT470□-□□	47.0	M	270	±20%	25 / 2.52	11	1.10	0.90	470

TPI6045 Series							
DWG. No.	Inductance (μH)	Tolerance	DC Resistance		Rated DC Current (A)		Marking
			(mΩ)	Tolerance	Idc1	Idc2	
TPI6045CT1R0□-C1-□	1.0	N	10	±30%	9.40	6.50	1R0
TPI6045CT1R3□-C1-□	1.3	N	11	±30%	8.80	6.00	1R3
TPI6045CT1R8□-C1-□	1.8	N	12	±30%	7.70	5.30	1R8
TPI6045CT2R2□-C1-□	2.2	N	13	±30%	6.70	5.00	2R2
TPI6045CT3R0□-C1-□	3.0	N	17	±30%	5.50	4.80	3R0
TPI6045CT3R3□-C1-□	3.3	N	17	±30%	4.90	4.50	3R3
TPI6045CT4R5□-C1-□	4.5	N	23	±30%	4.70	3.80	4R5
TPI6045CT4R7□-C1-□	4.7	N	23	±30%	4.40	3.70	4R7
TPI6045CT5R6□-C1-□	5.6	N	26	±30%	4.10	3.60	5R6
TPI6045CT6R3□-C1-□	6.3	N	26	±30%	4.10	3.60	6R3
TPI6045CT6R8□-C1-□	6.8	N	34	±30%	3.90	3.50	6R8
TPI6045CT8R2□-C1-□	8.2	N	41	±30%	3.50	3.10	8R2
TPI6045CT100□-C1-□	10.0	M	45	±20%	3.40	3.00	100
TPI6045CT150□-C1-□	15.0	M	80	±20%	2.50	2.30	150
TPI6045CT220□-C1-□	22.0	M	112	±20%	2.10	1.90	220
TPI6045CT330□-C1-□	33.0	M	170	±20%	1.65	1.50	330
TPI6045CT470□-C1-□	47.0	M	210	±20%	1.40	1.30	470
TPI6045CT560□-C1-□	56.0	M	270	±20%	1.30	1.20	560
TPI6045CT680□-C1-□	68.0	M	325	±20%	1.10	1.00	680
TPI6045CT101□-C1-□	100.0	M	460	±20%	1.00	0.90	101
TPI6045CT221□-C1-□	220.0	M	920	±20%	0.60	0.50	221

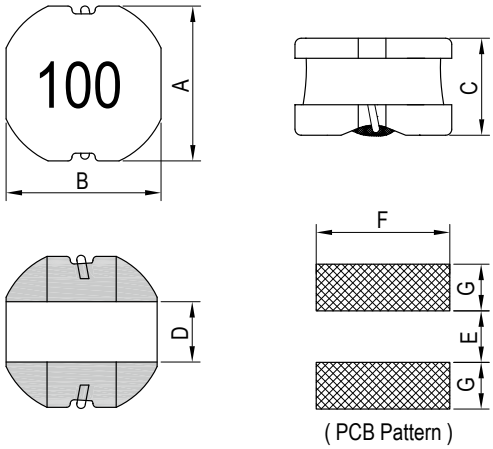
1. Inductance is measured in HP-4285A Precision LCR Meter @ 100kHz, 1V.
2. DC Resistance is measured in DU-5011 milliohm meter (or equivalent).
3. Q is measured in HP-4287A + 16193A (or equivalent).
4. Tolerance : M=20%, N=30% (Table shows stock tolerances in □).
5. Idc1 : Based on inductance change (ΔL/Lo :≤-30%)
6. Idc2 : Based on temperature rise (ΔT : 40°C typ.)
7. Operating temperature range: -40°C ~ +125°C (Including self generated heat)
8. Storage temperature: -10°C ~ +40°C (tape & reel packaging), -40°C ~ +125°C (component)
   Humidity: 30~70% R.H.

*Note: MSL = 1

RN SERIES

6045 / 8040 / 1060

Standard



Unit: mm

Series	A	B	C	D	E	F	G
RN6045	6.00±0.20	6.00±0.20	4.50 max.	2.50 ref.	2.30 ref.	6.00 ref.	2.00 ref.
RN8040	8.15±0.20	7.90±0.20	4.00 max.	3.00 ref.	3.00 ref.	8.20 ref.	2.60 ref.
RN1060	9.80±0.30	10.00±0.30	6.00 max.	3.30 ref.	3.10 ref.	10.20 ref.	3.50 ref.

Features

- Magnetic resin coating onto coil
- Semi-shielded effect to reduce leakage field
- Extremely low profile
- Low RDC
- High current handling capability
- Low power loss
- Operating temp.: -40°C ~ +125°C (including self-temperature rise)

compliant RoHS

RoHS & HF compliant

Application

- Power switching regulator circuits
- Portable devices
- Communication devices

RN6045 Series								
DWG. No.	Inductance (µH)	Q (ref.)	Test Freq. (Hz)		SRF (MHz) typ.	RDC (mΩ) max.	Isat (A) max.	Irms (A) max.
			L	Q				
RN60451R0YF□-□□□	1.0±30%	24	100k	7.960M	125	13.9	8.50	4.20
RN60451R3YF□-□□□	1.3±30%	20	100k	7.960M	85	17.0	8.00	4.00
RN60451R8YF□-□□□	1.8±30%	18	100k	7.960M	62	19.8	7.00	3.70
RN60452R2YF□-□□□	2.2±30%	18	100k	7.960M	54	25.1	6.00	3.50
RN60453R3YF□-□□□	3.3±30%	18	100k	7.960M	45	30.2	5.00	3.20
RN60454R7YF□-□□□	4.7±30%	17	100k	7.960M	38	37.6	4.00	3.00
RN60456R8YF□-□□□	6.8±30%	16	100k	7.960M	28	47.3	3.80	2.80
RN60458R2YF□-□□□	8.2±30%	13	100k	7.960M	25	55.0	3.30	2.70
RN6045100MF□-□□□	10±20%	27	100k	2.520M	23	58.6	3.00	2.50
RN6045120MF□-□□□	12±20%	26	100k	2.520M	20	85.0	2.60	2.20
RN6045150MF□-□□□	15±20%	26	100k	2.520M	17	95.8	2.30	1.90
RN6045220MF□-□□□	22±20%	24	100k	2.520M	15	142.0	1.90	1.50
RN6045330MF□-□□□	33±20%	23	100k	2.520M	12	188.0	1.50	1.40
RN6045470MF□-□□□	47±20%	20	100k	2.520M	10	257.0	1.30	1.10
RN6045680MF□-□□□	68±20%	17	100k	2.520M	8	351.0	1.00	0.90
RN6045101MF□-□□□	100±20%	16	100k	0.796M	7	494.0	0.80	0.70

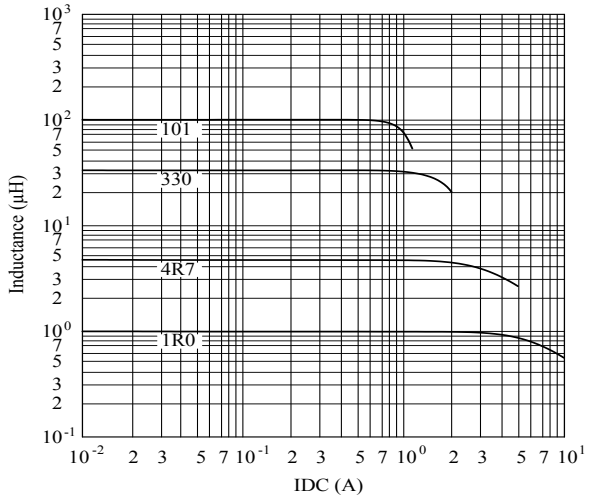
RN8040 Series					
DWG. No.	Inductance (µH)	RDC (mΩ)		Isat (A) max.	Irms (A) max.
		ref.	max.		
RN8040R50YLB-□□□	0.5±30%	5.7	7.0	12.00	10.00
RN80401R0YLB-□□□	1.0±30%	6.9	10.0	11.00	7.80
RN80401R5YLB-□□□	1.5±30%	8.6	11.0	8.20	7.00
RN80402R2YLB-□□□	2.2±30%	10.5	13.0	7.40	6.30
RN80402R7YLB-□□□	2.7±30%	16.2	21.0	5.50	5.60
RN80403R6YLB-□□□	3.6±30%	16.5	22.0	5.30	4.90
RN80404R7YLB-□□□	4.7±30%	18.3	24.0	4.70	4.10
RN80406R8YLB-□□□	6.8±30%	25.1	33.0	4.20	3.90
RN80408R2YLB-□□□	8.2±30%	35.0	45.0	4.00	3.70
RN8040100MLB-□□□	10.0±20%	37.6	50.0	3.40	3.10
RN8040150MLB-□□□	15.0±20%	53.6	70.0	2.70	2.40
RN8040220MLB-□□□	22.0±20%	76.3	100.0	2.20	2.20
RN8040330MLB-□□□	33.0±20%	112.0	145.0	1.90	1.70
RN8040470MLB-□□□	47.0±20%	145.0	190.0	1.50	1.40
RN8040680MLB-□□□	68.0±20%	212.0	275.0	1.20	1.10
RN8040101MLB-□□□	100.0±20%	310.0	400.0	1.00	1.00

RN1060 Series					
DWG. No.	Inductance (μH)	RDC (mΩ)		Isat (A) typ.	Irms (A) max.
		ref.	max.		
RN10601R5YL□-□□□	1.5±30%	7.6	10.0	13.00	10.00
RN10602R0YL□-□□□	2.0±30%	10.0	13.0	11.00	8.00
RN10603R3YL□-□□□	3.3±30%	13.5	18.0	8.50	7.20
RN10604R7YL□-□□□	4.7±30%	15.4	20.0	7.60	6.30
RN10606R8YL□-□□□	6.8±30%	18.4	24.0	6.60	5.80
RN1060100ML□-□□□	10.0±20%	22.3	29.0	5.20	5.40
RN1060150ML□-□□□	15.0±20%	27.6	36.0	4.50	4.50
RN1060180ML□-□□□	18.0±20%	32.0	43.0	3.80	3.85
RN1060220ML□-□□□	22.0±20%	35.1	53.0	3.40	3.40
RN1060330ML□-□□□	33.0±20%	46.0	72.0	2.80	3.15
RN1060470ML□-□□□	47.0±20%	80.5	110.0	2.30	2.50
RN1060101ML□-□□□	100.0±20%	154.0	208.0	1.70	1.70
RN1060151ML□-□□□	150.0±20%	235.0	300.0	1.35	1.25
RN1060221ML□-□□□	220.0±20%	354.0	460.0	1.20	1.00
RN1060331ML□-□□□	330.0±20%	512.0	620.0	0.90	0.90
RN1060471ML□-□□□	470.0±20%	731.0	950.0	0.80	0.80

1. Electrical specifications at 25°C
2. Inductance test freq. : 100kHz / 1V
3. Isat base on ΔL/L0A=30% max.
4. Irms base on Temp. rise 40°C max.

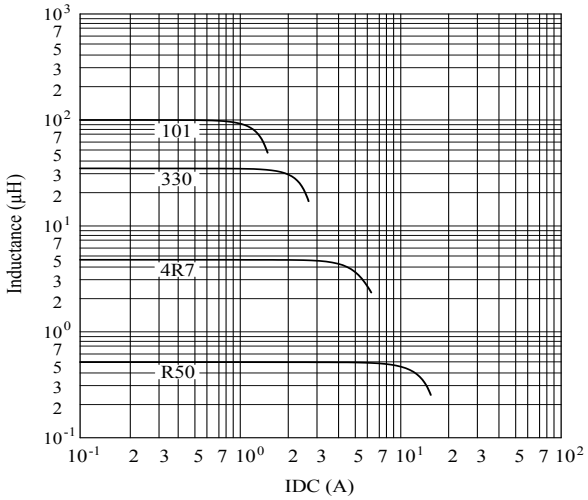
RN6045 Series

@ Inductance VS. DC Current Curve



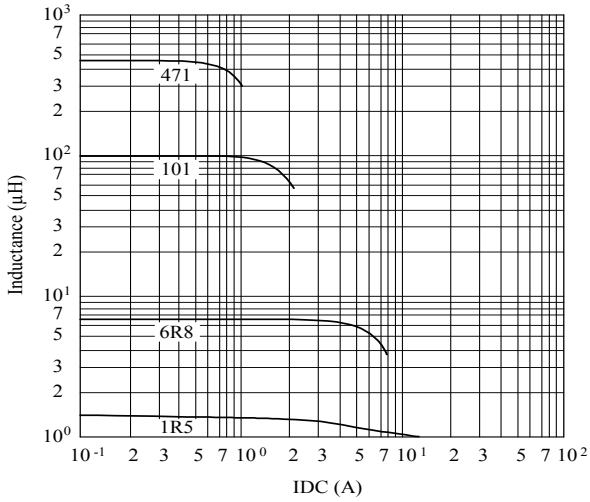
RN8040 Series

@ Inductance VS. DC Current Curve



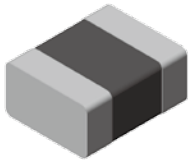
RN1060 Series

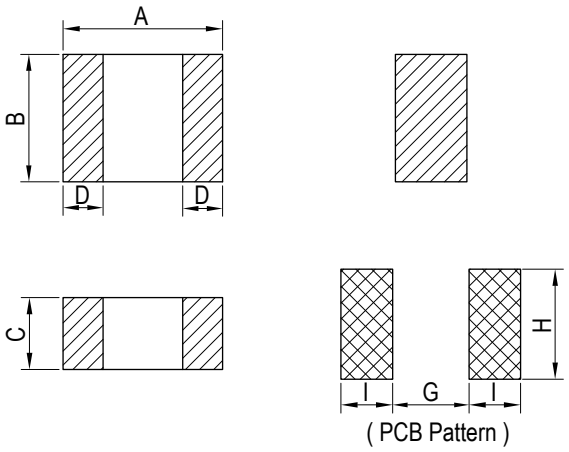
@ Inductance VS. DC Current Curve



DP SERIES 2016

Mini High Current





Unit: mm

Series	A	B	C	D	G	H	I
DP2016	2.00±0.2	1.60±0.2	1.00 max.	0.50±0.3	1.40	2.00	0.55

Features

- Alloy powder
- Miniature size for high current handling capability
- Low RDC
- Low core noise
- Operating temp.: -40°C ~ +125°C (including self-temperature rise)

Application

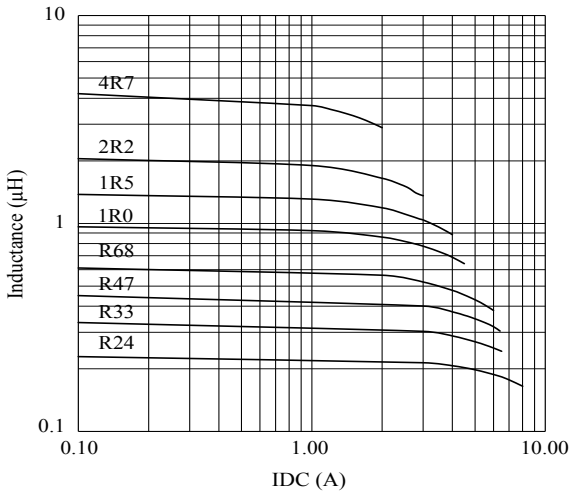
- Portable devices
- Power Bank / portable power devices

DP2016 Series				
DWG. No.	Inductance (μH)	RDC (mΩ) max.	Irms (A) max.	Isat (A) max.
DP2016R24ME□-□□□	0.24±20%	20	6.30	4.70
DP2016R33ME□-□□□	0.33±20%	26	5.50	4.00
DP2016R47ME□-□□□	0.47±20%	32	4.80	3.60
DP2016R68ME□-□□□	0.68±20%	43	4.30	3.10
DP20161R0ME□-□□□	1.00±20%	57	3.60	2.70
DP20161R5ME□-□□□	1.50±20%	91	2.90	2.10
DP20162R2ME□-□□□	2.20±20%	140	2.40	1.70
DP20164R7ME□-□□□	4.70±20%	288	1.60	1.10

1. Electrical specifications at 25°C
2. Inductance Test Freq.: 1MHz / 1V
3. Isat base on ΔL/L0A=30% max. (Approximately transient current)
4. Irms base on Temp. rise 40°C max.

DP2016 Series

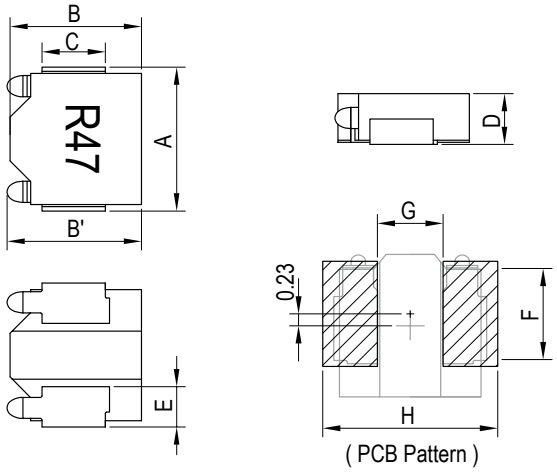
@25°C Inductance VS. DC Current Curve



HC SERIES

0312 / 0315 / 0320 / 0412 / 0415 / 0420 / 0512 / 0515 / 0520 / 0612 / 0615 / 0620

Low-profile / High Current



Unit: mm

Series	A	B	B'	C	D	E	F	G	H
HC0312	3.40±0.20	3.10±0.20	3.40 max.	1.60 ref.	1.20 max.	0.95±0.10	2.30 ref.	1.30 ref.	3.70 ref.
HC0315	3.40±0.20	3.10±0.20	3.40 max.	1.60 ref.	1.50 max.	0.95±0.10	2.30 ref.	1.30 ref.	3.70 ref.
HC0320	3.40±0.20	3.10±0.20	3.40 max.	1.60 ref.	2.00 max.	0.95±0.10	2.30 ref.	1.30 ref.	3.70 ref.
HC0412	4.40±0.20	4.10±0.20	4.40 max.	2.00 ref.	1.20 max.	1.10±0.10	2.85 ref.	2.00 ref.	4.80 ref.
HC0415	4.40±0.20	4.10±0.20	4.40 max.	2.00 ref.	1.50 max.	1.10±0.10	2.85 ref.	2.00 ref.	4.80 ref.
HC0420	4.40±0.20	4.10±0.20	4.40 max.	2.00 ref.	2.00 max.	1.10±0.10	2.85 ref.	2.00 ref.	4.80 ref.
HC0512	5.40±0.20	5.10±0.20	5.40 max.	2.50 ref.	1.20 max.	1.20±0.10	3.50 ref.	2.80 ref.	5.80 ref.
HC0515	5.40±0.20	5.10±0.20	5.40 max.	2.50 ref.	1.50 max.	1.20±0.10	3.50 ref.	2.80 ref.	5.80 ref.
HC0520	5.40±0.20	5.10±0.20	5.40 max.	2.50 ref.	2.00 max.	1.20±0.10	3.50 ref.	2.80 ref.	5.80 ref.
HC0612	7.10±0.20	6.70±0.20	7.10 max.	3.00 ref.	1.20 max.	1.65±0.10	4.70 ref.	3.60 ref.	7.70 ref.
HC0615	7.10±0.20	6.70±0.20	7.10 max.	3.00 ref.	1.50 max.	1.65±0.10	4.70 ref.	3.60 ref.	7.70 ref.
HC0620	7.10±0.20	6.70±0.20	7.10 max.	3.00 ref.	2.00 max.	1.65±0.10	4.70 ref.	3.60 ref.	7.70 ref.

Features

- Metal alloy powder core
- Flat copper wire
- Low DCR
- Low Profile
- Large Current
- Inductance tolerance is 10%
- Operating temp.: -40°C ~ +125°C (including self-temperature rise)

compliant RoHS RoHS & HF compliant

Application

- DC-DC converters and power suppliers
- Gaming consoles
- Tablets, notebooks, servers
- Measurement Equipment, audio devices

• All specifications are subject to change without notice.

HC0312 Series							
DWG. No.	Inductance (μH)	Q ref.	SRF (MHz) typ.	RDC (mΩ)		Isat (A) typ.	Irms (A) typ.
				typ.	max.		
HC0312R47KL□-□□□	0.47±10%	18	91	15.3	17.8	8.0	6.6
HC0312R68KL□-□□□	0.68±10%	14	77	21.2	24.8	6.0	5.6
HC03121R0KL□-□□□	1.00±10%	23	59	29.0	34.0	5.0	4.7
HC03121R5KL□-□□□	1.50±10%	28	45	49.0	58.0	4.3	3.6
HC03122R2KL□-□□□	2.20±10%	28	38	63.5	74.0	3.7	3.1
HC0315 Series							
DWG. No.	Inductance (μH)	Q ref.	SRF (MHz) typ.	RDC (mΩ)		Isat (A) typ.	Irms (A) typ.
				typ.	max.		
HC0315R47KL□-□□□	0.47±10%	10	85	10.6	12.3	8.1	9.0
HC0315R68KL□-□□□	0.68±10%	8	76	14.6	17.2	6.4	7.1
HC03151R0KL□-□□□	1.00±10%	25	52	24.3	28.1	6.5	5.6
HC03151R5KL□-□□□	1.50±10%	14	46	40.5	48.0	4.4	4.1
HC03152R2KL□-□□□	2.20±10%	16	41	51.0	60.5	3.6	3.7
HC0320 Series							
DWG. No.	Inductance (μH)	Q ref.	SRF (MHz) typ.	RDC (mΩ)		Isat (A) typ.	Irms (A) typ.
				typ.	max.		
HC0320R47KL□-□□□	0.47±10%	19	85	12.5	14.6	12.0	7.4
HC03201R0KL□-□□□	1.00±10%	34	64	18.2	21.3	6.5	6.3
HC03201R5KL□-□□□	1.50±10%	35	44	40.5	47.0	5.0	4.0
HC03202R2KL□-□□□	2.20±10%	34	38	56.5	64.8	4.6	3.4
HC0412 Series							
DWG. No.	Inductance (μH)	Q ref.	SRF (MHz) typ.	RDC (mΩ)		Isat (A) typ.	Irms (A) typ.
				typ.	max.		
HC0412R47KL□-□□□	0.47±10%	20	90	13.2	15.3	13.5	7.6
HC04121R0KL□-□□□	1.00±10%	45	55	25.2	29.5	8.2	5.3
HC04122R2KL□-□□□	2.20±10%	37	33	49.0	57.5	5.2	4.1
HC04123R3KL□-□□□	3.30±10%	38	28	90.0	105.0	4.2	2.8
HC04124R7KL□-□□□	4.70±10%	38	26	109.0	128.0	3.7	2.6
HC0415 Series							
DWG. No.	Inductance (μH)	Q ref.	SRF (MHz) typ.	RDC (mΩ)		Isat (A) typ.	Irms (A) typ.
				typ.	max.		
HC0415R47KL□-□□□	0.47±10%	19	80	9.7	11.3	13.8	9.3
HC04151R0KL□-□□□	1.00±10%	47	52	19.3	22.5	9.4	6.1
HC04151R5KL□-□□□	1.50±10%	43	43	25.7	30.0	7.0	5.4
HC04152R2KL□-□□□	2.20±10%	42	33	41.3	48.0	6.5	4.2
HC04154R7KL□-□□□	4.70±10%	39	25	85.0	100.0	4.1	2.8

HC0420 Series

DWG. No.	Inductance (μH)	Q ref.	SRF (MHz) typ.	RDC (mΩ)		Isat (A) typ.	Irms (A) typ.
				typ.	max.		
HC0420R47KL□-□□□	0.47±10%	20	92	7.5	8.9	18.0	10.5
HC0420R68KL□-□□□	0.68±10%	11	64	11.4	13.2	10.5	9.3
HC04201R0KL□-□□□	1.00±10%	50	50	15.5	18.5	10.6	7.3
HC04201R5KL□-□□□	1.50±10%	46	38	20.8	24.5	8.0	6.0
HC04202R2KL□-□□□	2.20±10%	36	28	29.5	35.5	6.2	4.8
HC04203R3KL□-□□□	3.30±10%	40	25	44.5	52.0	5.2	3.9
HC04204R7KL□-□□□	4.70±10%	37	24	78.0	91.0	4.6	3.1

HC0512 Series

DWG. No.	Inductance (μH)	Q ref.	SRF (MHz) typ.	RDC (mΩ)		Isat (A) typ.	Irms (A) typ.
				typ.	max.		
HC0512R47KL□-□□□	0.47±10%	18	68	13.0	14.9	14.0	8.3
HC05121R0KL□-□□□	1.00±10%	43	45	20.5	23.0	10.0	6.5
HC05122R2KL□-□□□	2.20±10%	39	28	43.3	51.5	6.8	4.2
HC05123R3KL□-□□□	3.30±10%	37	24	70.0	81.5	5.6	3.2
HC05124R7KL□-□□□	4.70±10%	32	19	84.5	100.0	4.9	3.1

HC0515 Series

DWG. No.	Inductance (μH)	Q ref.	SRF (MHz) typ.	RDC (mΩ)		Isat (A) typ.	Irms (A) typ.
				typ.	max.		
HC0515R47KL□-□□□	0.47±10%	16	65	9.4	11.2	14.5	9.5
HC05151R0KL□-□□□	1.00±10%	47	42	15.0	17.5	10.6	7.5
HC05152R2KL□-□□□	2.20±10%	42	29	32.6	38.2	8.3	5.3
HC05153R3KL□-□□□	3.30±10%	38	22	43.3	51.0	6.0	4.7
HC05154R7KL□-□□□	4.70±10%	25	18	63.2	73.5	5.0	3.7

HC0520 Series

DWG. No.	Inductance (μH)	Q ref.	SRF (MHz) typ.	RDC (mΩ)		Isat (A) typ.	Irms (A) typ.
				typ.	max.		
HC0520R47KL□-□□□	0.47±10%	19	67	5.9	7.2	20.0	12.5
HC0520R68KL□-□□□	0.68 ±10%	17	56	7.8	9.0	18.0	10.7
HC05201R0KL□-□□□	1.00±10%	54	51	11.8	14.2	15.5	8.5
HC05202R2KL□-□□□	2.20±10%	46	27	22.4	26.2	10.8	6.2
HC05203R3KL□-□□□	3.30±10%	41	20	34.5	40.5	7.4	4.8
HC05204R7KL□-□□□	4.70±10%	18	19	46.7	54.1	5.3	4.2

HC0612 Series

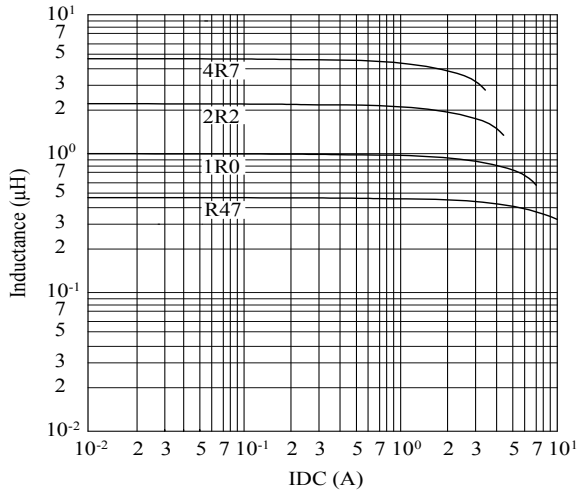
DWG. No.	Inductance (μH)	Q ref.	SRF (MHz) typ.	RDC (mΩ)		Isat (A) typ.	Irms (A) typ.
				typ.	max.		
HC0612R47KL□-□□□	0.47±10%	21	68	14.8	17.1	15.5	7.7
HC06121R0KL□-□□□	1.00±10%	54	42	23.8	27.5	12.0	6.2
HC06122R2KL□-□□□	2.20±10%	22	32	33.2	38.8	7.0	5.5
HC06123R3KL□-□□□	3.30±10%	28	18	43.1	50.0	5.5	5.0
HC06124R7KL□-□□□	4.70±10%	32	15	70.0	82.0	5.0	3.9

HC0615 Series							
DWG. No.	Inductance (μH)	Q ref.	SRF (MHz) typ.	RDC (mΩ)		Isat (A) typ.	Irms (A) typ.
				typ.	max.		
HC0615R47KL□-□□□	0.47±10%	20	71	7.5	8.8	20.0	12.5
HC06151R0KL□-□□□	1.00±10%	54	40	11.5	13.5	13.0	9.8
HC06151R5KL□-□□□	1.50±10%	53	32	20.5	23.8	11.0	7.0
HC06152R2KL□-□□□	2.20±10%	47	25	28.7	33.5	9.4	6.0
HC06154R7KL□-□□□	4.70±10%	33	16	53.0	62.0	6.0	4.3
HC0620 Series							
DWG. No.	Inductance (μH)	Q ref.	SRF (MHz) typ.	RDC (mΩ)		Isat (A) typ.	Irms (A) typ.
				typ.	max.		
HC0620R47KL□-□□□	0.47±10%	19	63	4.6	5.5	25.0	15.5
HC0620R68KL□-□□□	0.68±10%	18	49	6.0	7.1	24.0	13.0
HC06201R0KL□-□□□	1.00±10%	40	41	9.0	10.6	15.7	11.0
HC06202R2KL□-□□□	2.20±10%	46	26	15.2	17.8	11.5	8.8
HC06203R3KL□-□□□	3.30±10%	25	20	25.8	30.2	8.5	6.6
HC06204R7KL□-□□□	4.70±10%	35	15	34.0	39.6	7.7	5.7
HC06206R8KL□-□□□	6.80±10%	26	12	54.0	63.0	6.0	4.5
HC0620100KL□-□□□	10.0±10%	38	10	82.0	96.0	5.0	3.6

1. Electrical specifications at 25°C
2. Inductance Test Freq.:100kHz / 1V
3. Q Test Freq.: R47~R68--25.2MHz , 1R0~6R8--7.96MHz , 100--2.52MHz
4. Isat base on ΔL / L0A=30% typ.(Approximately transient current)
5. Irms base on temp. rise 40°C typ.
6. Rated Voltage: 50V max.

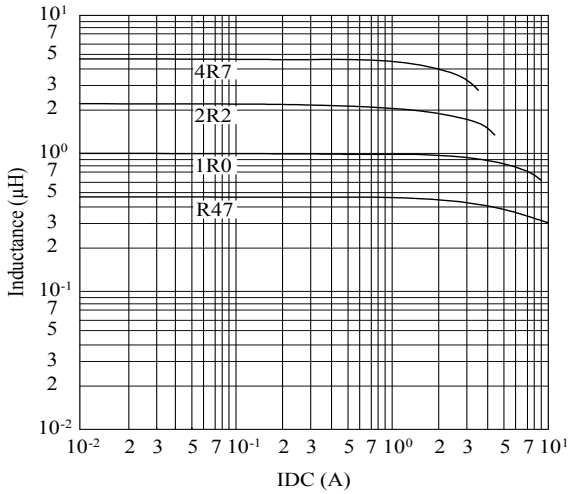
HC0312 Series

@25°C Inductance VS. DC Current Curve



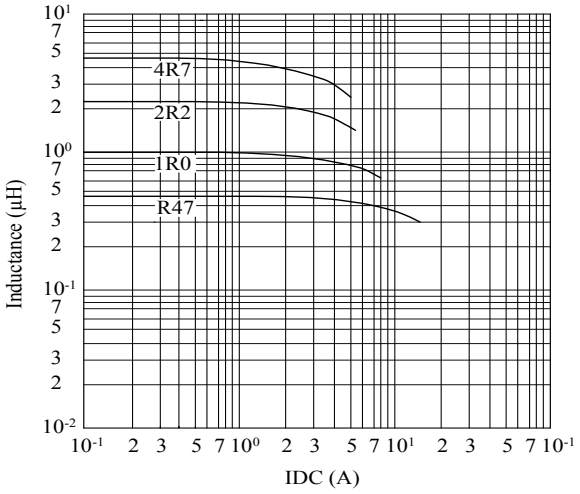
HC0315 Series

@25°C Inductance VS. DC Current Curve



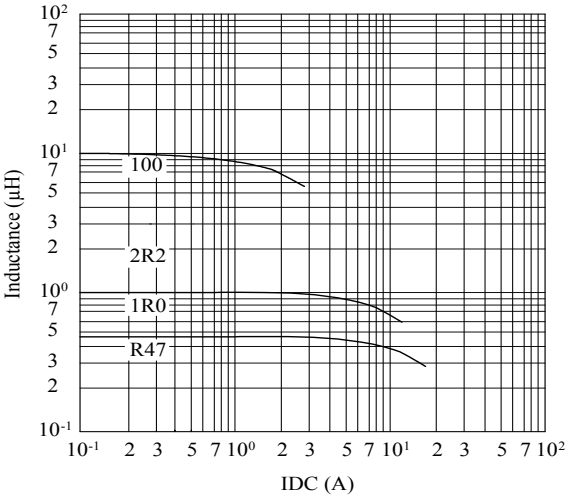
HC0320 Series

@25°C Inductance VS. DC Current Curve



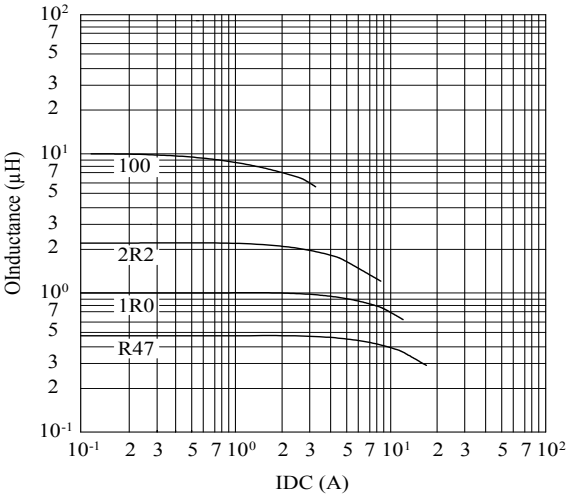
HC0412 Series

@25°C Inductance VS. DC Current Curve



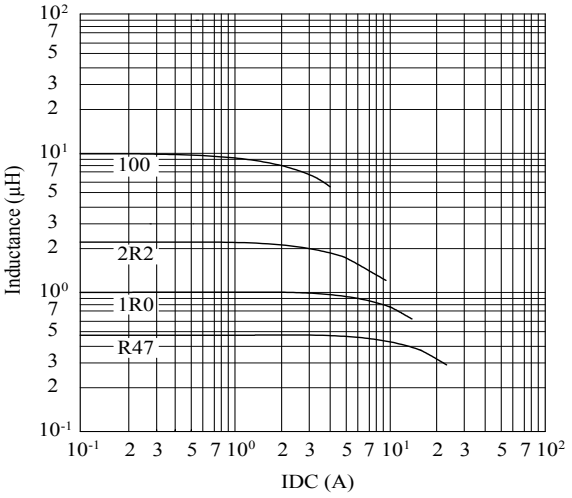
HC0415 Series

@25°C Inductance VS. DC Current Curve



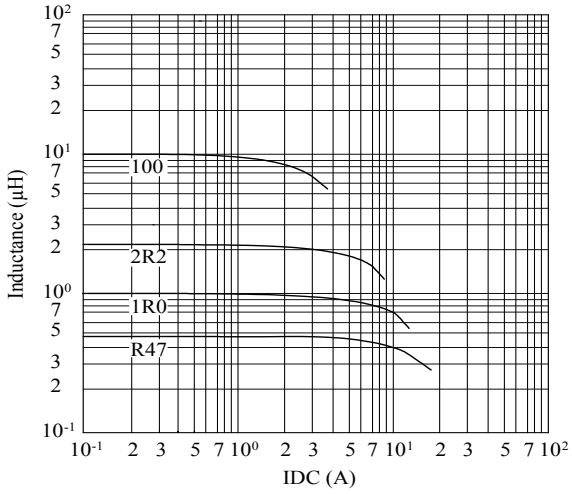
HC0420 Series

@25°C Inductance VS. DC Current Curve



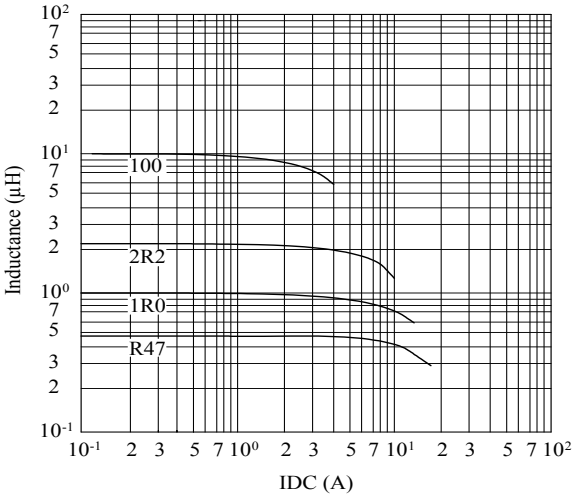
HC0512 Series

@25°C Inductance VS. DC Current Curve



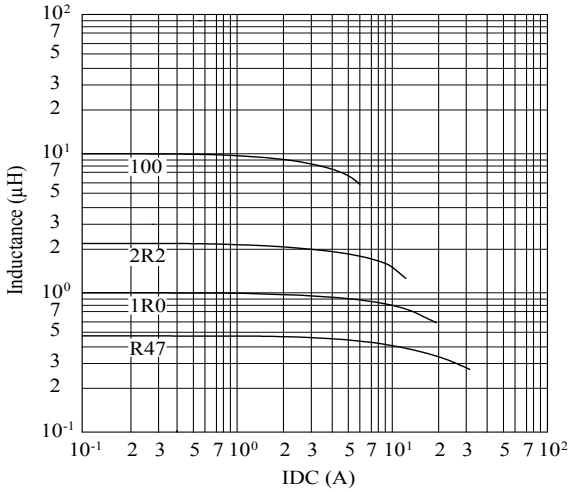
HC0515 Series

@25°C Inductance VS. DC Current Curve



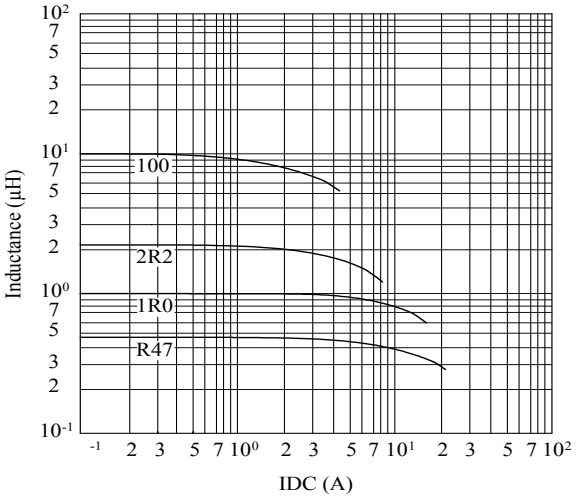
HC0520 Series

@25°C Inductance VS. DC Current Curve



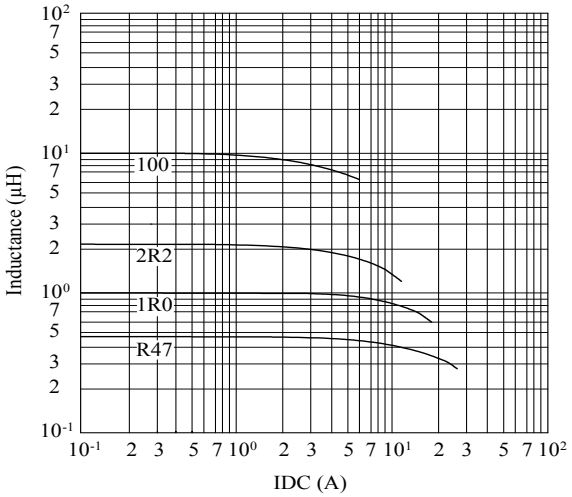
HC0612 Series

@25°C Inductance VS. DC Current Curve



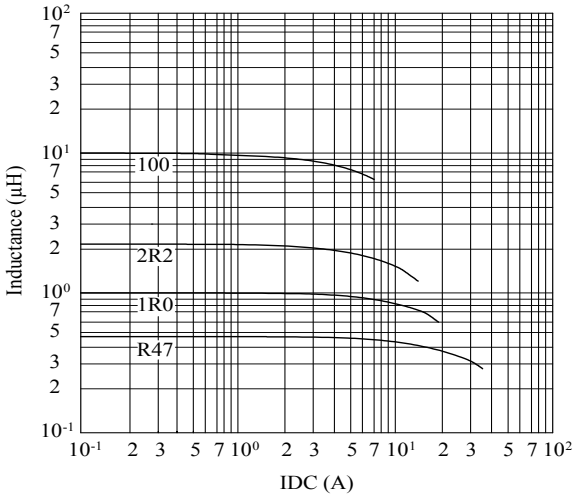
HC0615 Series

@25°C Inductance VS. DC Current Curve



HC0620 Series

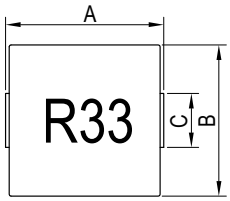
@25°C Inductance VS. DC Current Curve

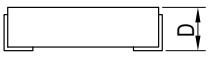


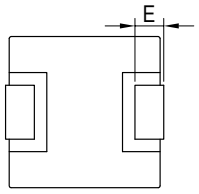
HE SERIES

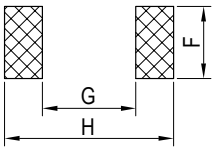
0412 / 0420 / 0530 / 0618 / 0624 / 0630-L / 0630-S / 0640 / 1040-L / 1040-S / 1235 / 1250 / 1265 / 1770

High Current









(PCB Pattern)

Unit: mm

Series	A	B	C	D	E	F	G	H
HE0412	4.40±0.35	4.20±0.25	1.50±0.30	1.20 max.	0.80±0.30	2.00 ref.	2.60 ref.	4.70 ref.
HE0420	4.45±0.25	4.05±0.25	1.50±0.30	2.00 max.	0.80±0.30	2.00 ref.	2.60 ref.	4.70 ref.
HE0530	5.40±0.30	5.20±0.30	2.20±0.30	3.00 max.	1.20±0.20	2.90 ref.	2.60 ref.	5.80 ref.
HE0618	7.10±0.30	6.60±0.30	3.00±0.30	1.80 max.	1.60±0.50	3.40 ref.	3.70 ref.	7.40 ref.
HE0624	7.10±0.30	6.60±0.30	3.00±0.30	2.40 max.	1.60±0.50	3.40 ref.	3.70 ref.	7.40 ref.
HE0630-L	7.10±0.30	6.60±0.30	3.00±0.30	3.00 max.	1.60±0.50	3.40 ref.	3.70 ref.	7.40 ref.
HE0630-S	7.10±0.30	6.60±0.30	3.00±0.30	3.00 max.	1.60±0.50	3.40 ref.	3.70 ref.	7.40 ref.
HE0640	7.10±0.30	6.60±0.30	3.00±0.30	4.00 max.	1.60±0.50	3.40 ref.	3.70 ref.	7.40 ref.
HE1040-L	11.50 max.	10.00±0.30	2.80±0.50	4.00 max.	2.00±0.50	3.30 ref.	6.00 ref.	12.00 ref.
HE1040-S	11.50 max.	10.00±0.30	2.80±0.50	4.00 max.	2.00±0.50	3.30 ref.	6.00 ref.	12.00 ref.
HE1235	13.50±0.50	12.80±0.30	3.50±0.50	3.50±0.50	2.50±0.50	4.00 ref.	7.50 ref.	14.50 ref.
HE1250	13.50±0.50	12.80±0.30	3.50±0.50	5.00 max.	2.50±0.50	4.00 ref.	7.50 ref.	14.50 ref.
HE1265	13.50±0.50	12.80±0.30	3.50±0.50	6.50 max.	2.50±0.50	4.00 ref.	7.50 ref.	14.50 ref.
HE1770	18.00±0.30	17.15 max.	11.94±0.30	7.00 max.	2.70±0.40	13.00 ref.	11.50 ref.	19.00 ref.

Features

- Low DCR
- High current
- Perfect soft saturation characteristics
- Metal powder construction
- Operating temp.: -55°C ~ +125°C (including self-temperature rise)

compliant RoHS

RoHS & HF compliant

Application

- NB, PC, Server applications
- VRMs
- DC/DC Converters

HE0412 Series					
DWG. No.	Inductance (μH)	RDC (mΩ)		Isat (A) typ.	Irms (A) typ.
		typ.	max.		
HE0412R33MS□-□□□	0.33±20%	17.0	19.0	8.40	6.50
HE0412R47MS□-□□□	0.47±20%	19.0	22.0	6.80	6.00
HE0412R68MS□-□□□	0.68±20%	32.0	36.0	6.00	4.70
HE04121R0MS□-□□□	1.00±20%	43.0	47.0	5.50	4.50
HE04121R5MS□-□□□	1.50±20%	68.0	75.0	4.00	3.25
HE04122R2MS□-□□□	2.20±20%	79.4	83.5	3.50	2.75
HE04124R7MS□-□□□	4.70±20%	170.0	195.0	2.50	1.80

HE0420 Series					
DWG. No.	Inductance (μH)	RDC (mΩ)		Isat (A) typ.	Irms (A) typ.
		typ.	max.		
HE0420R10MS□-□□□	0.10±20%	3.5	4.0	22.00	12.00
HE0420R22MS□-□□□	0.22±20%	6.0	6.6	12.50	9.00
HE0420R33MS□-□□□	0.33±20%	9.6	13.0	12.00	8.00
HE0420R47MS□-□□□	0.47±20%	12.5	14.0	9.50	7.00
HE0420R56MS□-□□□	0.56±20%	14.0	16.0	10.00	6.50
HE0420R68MS□-□□□	0.68±20%	16.0	18.0	9.00	6.00
HE04201R0MS□-□□□	1.00±20%	24.0	27.0	7.00	4.50
HE04202R2MS□-□□□	2.20±20%	52.0	58.0	5.00	3.00
HE04203R3MS□-□□□	3.30±20%	74.0	87.0	4.00	2.50
HE04204R7MS□-□□□	4.70±20%	98.0	110.0	3.50	2.00
HE04205R6MS□-□□□	5.60±20%	105.0	115.0	3.00	1.80
HE04206R8MS□-□□□	6.80±20%	160.0	175.0	2.50	1.50

HE0530 Series					
DWG. No.	Inductance (μH)	RDC (mΩ)		Isat (A) typ.	Irms (A) typ.
		typ.	max.		
HE0530R47MS□-□□□	0.47±20%	7.4	8.5	12.00	13.50
HE0530R68MS□-□□□	0.68±20%	11.0	12.0	14.00	8.50
HE05301R0MS□-□□□	1.00±20%	13.0	14.0	11.00	7.00
HE05301R5MS□-□□□	1.50±20%	20.0	25.0	8.50	6.00
HE05302R2MS□-□□□	2.20±20%	25.0	29.0	7.50	5.50
HE05303R3MS□-□□□	3.30±20%	32.0	38.0	6.00	5.00
HE05304R7MS□-□□□	4.70±20%	50.0	60.0	5.00	3.50
HE05306R8MS□-□□□	6.80±20%	75.0	90.0	4.00	3.00

HE0618 Series					
DWG. No.	Inductance (μH)	RDC (mΩ)		Isat (A) typ.	Irms (A) typ.
		typ.	max.		
HE0618R10MS□-□□□	0.10±20%	3.0	3.5	40.00	18.00
HE0618R15MS□-□□□	0.15±20%	4.7	5.2	38.00	15.00
HE0618R22MS□-□□□	0.22±20%	5.3	5.7	26.00	14.00
HE0618R33MS□-□□□	0.33±20%	6.6	7.0	18.00	12.00
HE0618R47MS□-□□□	0.47±20%	8.4	9.3	18.00	11.00
HE0618R68MS□-□□□	0.68±20%	12.7	13.9	17.00	9.00
HE0618R82MS□-□□□	0.82±20%	13.8	15.9	17.00	8.00
HE06181R0MS□-□□□	1.00±20%	17.5	18.3	14.00	7.00
HE06181R5MS□-□□□	1.50±20%	32.6	34.0	11.50	4.00
HE06182R2MS□-□□□	2.20±20%	40.3	46.0	10.00	3.75
HE06182R5MS□-□□□	2.50±20%	49.9	52.4	9.00	3.50
HE06183R3MS□-□□□	3.30±20%	56.2	60.1	8.00	3.25
HE06184R7MS□-□□□	4.70±20%	76.6	78.0	6.00	3.00

HE0624 Series					
DWG. No.	Inductance (µH)	RDC (mΩ)		Isat (A) typ.	Irms (A) typ.
		typ.	max.		
HE0624R10MS□-□□□	0.10±20%	1.5	1.7	50.0	30.0
HE0624R22MS□-□□□	0.22±20%	2.9	3.2	34.0	21.0
HE0624R33MS□-□□□	0.33±20%	3.7	4.1	22.0	18.0
HE0624R47MS□-□□□	0.47±20%	6.0	6.5	21.0	13.5
HE0624R68MS□-□□□	0.68±20%	8.7	9.4	18.0	11.0
HE0624R82MS□-□□□	0.82±20%	10.6	11.8	17.0	10.0
HE06241R0MS□-□□□	1.00±20%	11.0	12.1	16.0	9.0
HE06241R5MS□-□□□	1.50±20%	18.5	21.2	15.0	7.5
HE06242R2MS□-□□□	2.20±20%	28.0	34.0	14.0	6.5
HE06243R3MS□-□□□	3.30±20%	36.5	51.6	10.0	5.0
HE06244R7MS□-□□□	4.70±20%	45.0	63.0	9.0	4.5
HE06245R6MS□-□□□	5.60±20%	66.0	73.0	7.0	4.0
HE06246R8MS□-□□□	6.80±20%	72.5	95.0	7.0	3.6
HE06248R2MS□-□□□	8.20±20%	95.0	106.0	6.5	3.0

HE0630-L Series					
DWG. No.	Inductance (µH)	RDC (mΩ)		Isat (A) typ.	Irms (A) typ.
		typ.	max.		
HE0630R33ML□-□□□	0.33±20%	3.0	3.5	25.0	21.0
HE0630R36ML□-□□□	0.36±20%	3.3	3.9	24.0	20.0
HE0630R47ML□-□□□	0.47±20%	3.5	4.1	20.0	18.0
HE0630R56ML□-□□□	0.56±20%	3.9	4.5	18.0	16.5
HE0630R68ML□-□□□	0.68±20%	4.8	5.3	17.0	16.0
HE0630R82ML□-□□□	0.82±20%	5.4	6.0	16.0	14.0
HE06301R0ML□-□□□	1.00±20%	6.7	7.4	15.0	12.0
HE06301R2ML□-□□□	1.20±20%	7.8	10.0	14.0	10.0
HE06301R5ML□-□□□	1.50±20%	10.6	12.1	14.0	10.0
HE06302R2ML□-□□□	2.20±20%	13.5	15.0	10.0	8.0
HE06302R5ML□-□□□	2.50±20%	16.0	18.0	10.0	7.0
HE06303R3ML□-□□□	3.30±20%	18.0	22.0	9.5	6.5
HE06304R7ML□-□□□	4.70±20%	28.0	33.0	6.5	5.5
HE06305R6ML□-□□□	5.60±20%	39.0	42.0	6.0	5.5
HE06306R8ML□-□□□	6.80±20%	43.0	50.0	6.0	4.5
HE06308R2ML□-□□□	8.20±20%	54.0	60.0	6.0	4.5
HE0630100ML□-□□□	10.00±20%	62.0	68.0	5.5	4.0
HE0630150ML□-□□□	15.00±20%	110.0	125.0	3.0	3.5
HE0630220ML□-□□□	22.00±20%	180.0	200.0	3.0	2.3

HE0630-S Series					
DWG. No.	Inductance (µH)	RDC (mΩ)		Isat (A) typ.	Irms (A) typ.
		typ.	max.		
HE0630R10MS□-□□□	0.10±20%	1.5	1.7	60.0	32.5
HE0630R15MS□-□□□	0.15±20%	1.9	2.5	52.0	26.0
HE0630R20MS□-□□□	0.20±20%	2.4	3.0	41.0	24.0
HE0630R22MS□-□□□	0.22±20%	2.5	2.8	40.0	23.0
HE0630R33MS□-□□□	0.33±20%	3.5	3.9	30.0	20.0
HE0630R47MS□-□□□	0.47±20%	4.0	4.2	26.0	17.5
HE0630R56MS□-□□□	0.56±20%	5.0	5.5	25.0	15.5
HE0630R68MS□-□□□	0.68±20%	5.0	5.5	25.0	15.5
HE0630R82MS□-□□□	0.82±20%	6.7	8.0	24.0	13.0
HE06301R0MS□-□□□	1.00±20%	9.0	10.0	22.0	11.0
HE06301R5MS□-□□□	1.50±20%	14.0	15.0	18.0	9.0
HE06302R2MS□-□□□	2.20±20%	18.0	20.0	14.0	8.0
HE06303R3MS□-□□□	3.30±20%	28.0	30.0	13.5	6.0
HE06304R7MS□-□□□	4.70±20%	37.0	40.0	10.0	5.5
HE06305R6MS□-□□□	5.60±20%	52.0	60.0	10.0	4.8
HE06306R8MS□-□□□	6.80±20%	54.0	60.0	8.0	4.5
HE06308R2MS□-□□□	8.20±20%	64.0	68.0	7.5	4.0
HE0630100MS□-□□□	10.00±20%	102.0	105.0	7.0	3.0

HE0640 Series					
DWG. No.	Inductance (µH)	RDC (mΩ)		Isat (A) typ.	Irms (A) typ.
		typ.	max.		
HE06401R0ML□-□□□	1.00±20%	5.5	6.5	14.0	12.0
HE06401R5ML□-□□□	1.50±20%	6.2	7.0	12.0	10.0
HE06402R2ML□-□□□	2.20±20%	9.0	10.0	11.0	9.0
HE06403R3ML□-□□□	3.30±20%	17.5	20.0	10.0	7.0
HE06404R7ML□-□□□	4.70±20%	26.5	30.0	9.0	6.5
HE06405R6ML□-□□□	5.60±20%	28.5	33.0	8.0	6.3
HE06406R8ML□-□□□	6.80±20%	41.5	45.0	7.0	5.5
HE06408R2ML□-□□□	8.20±20%	45.0	50.0	6.0	5.0
HE0640100ML□-□□□	10.0±20%	49.0	55.0	5.0	4.5
HE0640220ML□-□□□	22.0±20%	120.0	130.0	3.5	3.0
HE0640330ML□-□□□	33.0±20%	145.0	165.0	3.0	2.5
HE0640470ML□-□□□	47.0±20%	180.0	200.0	2.5	2.0
HE0640680ML□-□□□	68.0±20%	260.0	290.0	2.0	1.5

HE1040-L Series					
DWG. No.	Inductance (µH)	RDC (mΩ)		Isat (A) typ.	Irms (A) typ.
		typ.	max.		
HE1040R19ML□-□□□	0.19±20%	0.50	0.70	44.0	44.0
HE1040R22ML□-□□□	0.22±20%	0.60	0.80	42.0	38.0
HE1040R24ML□-□□□	0.24±20%	0.70	0.80	38.0	38.0
HE1040R36ML□-□□□	0.36±20%	0.85	0.95	35.0	35.0
HE1040R41ML□-□□□	0.41±20%	1.04	1.15	32.0	33.0
HE1040R47ML□-□□□	0.47±20%	1.20	1.40	32.0	32.0
HE1040R56ML□-□□□	0.56±20%	1.30	1.50	30.0	30.0
HE1040R68ML□-□□□	0.68±20%	1.60	1.80	30.0	25.0
HE1040R78ML□-□□□	0.78±20%	1.60	1.80	25.0	25.0
HE1040R82ML□-□□□	0.82±20%	2.20	2.50	21.0	21.0
HE10401R0ML□-□□□	1.00±20%	2.20	2.50	21.0	21.0
HE10401R8ML□-□□□	1.80±20%	4.50	5.00	15.0	15.0
HE10402R0ML□-□□□	2.00±20%	5.20	5.80	14.0	14.0
HE10402R2ML□-□□□	2.20±20%	5.50	6.30	16.0	14.0
HE10402R5ML□-□□□	2.50±20%	8.20	9.00	12.0	12.0
HE10403R3ML□-□□□	3.30±20%	8.20	9.00	11.0	12.0

HE1040-S Series					
DWG. No.	Inductance (µH)	RDC (mΩ)		Isat (A) typ.	Irms (A) typ.
		typ.	max.		
HE1040R15MS□-□□□	0.15±20%	0.50	0.65	75.0	40.0
HE1040R19MS□-□□□	0.19±20%	0.70	0.80	60.0	38.0
HE1040R36MS□-□□□	0.36±20%	1.05	1.20	60.0	30.0
HE1040R39MS□-□□□	0.39±20%	1.10	1.30	50.0	30.0
HE1040R41MS□-□□□	0.41±20%	1.10	1.30	45.0	30.0
HE1040R45MS□-□□□	0.45±20%	1.10	1.30	45.0	29.0
HE1040R47MS□-□□□	0.47±20%	1.60	1.80	40.0	26.0
HE1040R56MS□-□□□	0.56±20%	1.60	1.80	40.0	25.0
HE1040R68MS□-□□□	0.68±20%	2.40	2.70	39.0	22.0
HE1040R88MS□-□□□	0.88±20%	2.70	3.00	38.0	20.0
HE10401R0MS□-□□□	1.00±20%	3.00	3.30	30.0	18.0
HE10401R5MS□-□□□	1.50±20%	3.80	4.20	24.0	16.0
HE10402R2MS□-□□□	2.20±20%	6.70	7.00	22.0	12.0
HE10403R3MS□-□□□	3.30±20%	10.80	11.80	17.0	10.0
HE10404R7MS□-□□□	4.70±20%	15.00	16.50	15.0	9.5
HE10405R6MS□-□□□	5.60±20%	17.60	19.30	14.0	8.5
HE10406R8MS□-□□□	6.80±20%	21.20	23.30	12.0	8.0
HE10408R2MS□-□□□	8.20±20%	26.00	29.00	10.0	7.0
HE1040100MS□-□□□	10.0±20%	33.20	36.50	9.5	6.8
HE1040150MS□-□□□	15.0±20%	40.00	45.00	7.0	6.25
HE1040220MS□-□□□	22.0±20%	60.00	66.00	5.5	5.0
HE1040330MS□-□□□	33.0±20%	85.00	92.00	5.0	4.4
HE1040470MS□-□□□	47.0±20%	130.0	145.0	3.5	4.0
HE1040560MS□-□□□	56.0±20%	150.0	170.0	2.8	3.8
HE1040680MS□-□□□	68.0±20%	175.0	200.0	2.6	3.5

HE1235 Series					
DWG. No.	Inductance (µH)	RDC (mΩ)		Isat (A) typ.	Irms (A) typ.
		typ.	max.		
HE1235R10MS□-□□□	0.10±20%	0.80	0.96	84.0	43.0
HE1235R15MS□-□□□	0.15±20%	1.00	1.20	75.0	41.0
HE1235R22MS□-□□□	0.22±20%	1.10	1.30	65.0	38.5
HE1235R33MS□-□□□	0.33±20%	1.30	1.50	62.0	36.5
HE1235R47MS□-□□□	0.47±20%	1.60	2.00	55.0	32.0
HE1235R60MS□-□□□	0.60±20%	1.80	2.20	51.0	29.0
HE1235R68MS□-□□□	0.68±20%	2.30	2.50	49.0	28.0
HE1235R82MS□-□□□	0.82±20%	2.60	3.00	44.0	25.0
HE12351R0MS□-□□□	1.00±20%	3.30	3.50	40.0	24.0
HE12351R5MS□-□□□	1.50±20%	5.10	5.50	35.0	19.0
HE12351R8MS□-□□□	1.80±20%	6.50	7.00	30.0	16.5
HE12352R2MS□-□□□	2.20±20%	7.20	8.00	29.0	16.0
HE12353R3MS□-□□□	3.30±20%	11.00	12.00	27.0	12.0
HE12354R7MS□-□□□	4.70±20%	14.30	15.00	24.0	10.0
HE12355R6MS□-□□□	5.60±20%	17.10	18.00	19.0	9.5
HE12356R8MS□-□□□	6.80±20%	22.00	24.00	14.0	8.0
HE12358R2MS□-□□□	8.20±20%	24.80	28.00	13.5	7.5
HE1235100MS□-□□□	10.0±20%	30.40	34.00	10.0	7.0

HE1250 Series					
DWG. No.	Inductance (µH)	RDC (mΩ)		Isat (A) typ.	Irms (A) typ.
		typ.	max.		
HE1250R10MS□-□□□	0.10±20%	0.53	0.60	80.0	55.0
HE1250R22MS□-□□□	0.22±20%	0.64	0.80	80.0	51.0
HE1250R33MS□-□□□	0.33±20%	0.85	1.20	80.0	42.0
HE1250R47MS□-□□□	0.47±20%	1.10	1.30	65.0	38.0
HE1250R56MS□-□□□	0.56±20%	1.30	1.60	55.0	36.0
HE1250R68MS□-□□□	0.68±20%	1.50	1.70	54.0	34.0
HE1250R82MS□-□□□	0.82±20%	2.00	2.30	53.0	31.0
HE12501R0MS□-□□□	1.00±20%	2.10	2.50	50.0	29.0
HE12501R2MS□-□□□	1.20±20%	2.80	3.50	49.0	25.0
HE12501R5MS□-□□□	1.50±20%	3.40	4.10	38.0	23.0
HE12501R8MS□-□□□	1.80±20%	4.20	4.90	35.0	19.0
HE12502R2MS□-□□□	2.20±20%	4.60	5.50	32.0	20.0
HE12502R7MS□-□□□	2.70±20%	5.70	6.80	32.0	18.0
HE12503R3MS□-□□□	3.30±20%	7.70	9.20	32.0	15.0
HE12504R7MS□-□□□	4.70±20%	12.80	15.00	27.0	12.0
HE12505R6MS□-□□□	5.60±20%	14.00	16.50	22.0	11.5
HE12506R8MS□-□□□	6.80±20%	15.40	18.50	21.0	11.0
HE12507R8MS□-□□□	7.80±20%	17.20	20.50	18.0	10.0
HE12508R2MS□-□□□	8.20±20%	18.90	22.50	14.0	9.5
HE1250100MS□-□□□	10.00±20%	21.40	25.50	16.0	9.0

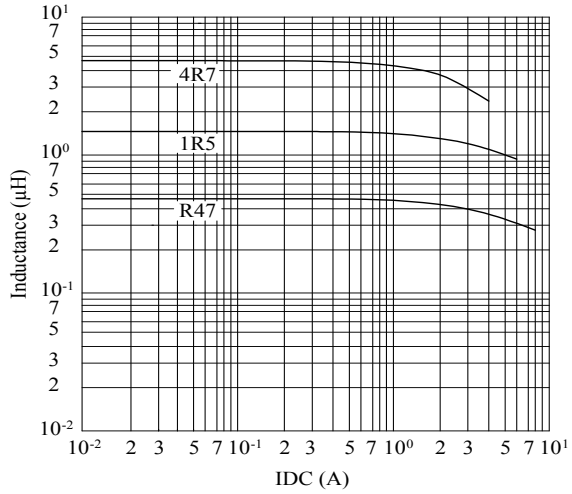
HE1265 Series					
DWG. No.	Inductance (µH)	RDC (mΩ)		Isat (A) typ.	Irms (A) typ.
		typ.	max.		
HE1265R10MS□-□□□	0.10±20%	0.47	0.50	80.0	60.0
HE1265R15MS□-□□□	0.15±20%	0.53	0.60	80.0	55.0
HE1265R22MS□-□□□	0.22±20%	0.63	0.70	80.0	53.0
HE1265R30MS□-□□□	0.30±20%	0.70	0.80	72.0	48.0
HE1265R33MS□-□□□	0.33±20%	0.83	0.90	65.0	46.0
HE1265R40MS□-□□□	0.40±20%	0.90	1.00	64.0	44.0
HE1265R47MS□-□□□	0.47±20%	1.00	1.20	63.0	41.0
HE1265R56MS□-□□□	0.56±20%	1.20	1.40	62.0	37.0
HE1265R68MS□-□□□	0.68±20%	1.40	1.60	60.0	35.0
HE1265R82MS□-□□□	0.82±20%	1.60	1.90	50.0	33.0
HE12651R0MS□-□□□	1.00±20%	1.70	2.00	49.0	32.0
HE12651R2MS□-□□□	1.20±20%	2.10	2.50	48.0	30.0
HE12651R5MS□-□□□	1.50±20%	2.50	3.00	45.0	27.0
HE12651R8MS□-□□□	1.80±20%	2.80	3.20	41.0	24.0
HE12652R2MS□-□□□	2.20±20%	3.50	4.20	40.0	22.0
HE12653R3MS□-□□□	3.30±20%	5.70	6.80	35.0	18.0
HE12654R2MS□-□□□	4.20±20%	5.80	7.20	28.0	11.0
HE12654R7MS□-□□□	4.70±20%	9.30	11.20	30.0	13.5
HE12655R6MS□-□□□	5.60±20%	11.80	12.80	26.5	12.0
HE12656R8MS□-□□□	6.80±20%	13.10	14.00	16.5	11.5
HE12658R2MS□-□□□	8.20±20%	14.50	15.50	16.0	10.5
HE1265100MS□-□□□	10.00±20%	15.80	16.80	15.5	10.0
HE1265120MS□-□□□	12.00±20%	23.00	26.00	14.0	9.0
HE1265150MS□-□□□	15.00±20%	25.00	29.00	9.0	6.0
HE1265220MS□-□□□	22.00±20%	34.00	39.50	7.5	5.0

HE1770 Series					
DWG. No.	Inductance (µH)	RDC (mΩ)		Isat (A) typ.	Irms (A) typ.
		typ.	max.		
HE1770R82MS□-□□□	0.82±20%	0.98	1.08	45.0	56.5
HE17701R0MS□-□□□	1.00±20%	1.21	1.27	32.0	55.5
HE17701R5MS□-□□□	1.50±20%	1.54	1.62	31.0	48.0
HE17702R2MS□-□□□	2.20±20%	1.85	1.98	28.0	43.5
HE17703R3MS□-□□□	3.30±20%	2.79	2.93	27.0	35.0
HE17704R7MS□-□□□	4.70±20%	3.98	4.18	21.0	30.0
HE17705R6MS□-□□□	5.60±20%	4.23	4.44	21.0	28.0
HE17706R8MS□-□□□	6.80±20%	5.86	6.15	18.5	22.5
HE17708R2MS□-□□□	8.20±20%	7.71	8.10	18.0	21.0
HE1770100MS□-□□□	10.00±20%	8.89	9.33	17.0	19.0
HE1770150MS□-□□□	15.00±20%	13.70	14.40	12.0	14.0
HE1770220MS□-□□□	22.00±20%	20.00	21.00	9.5	12.0
HE1770330MS□-□□□	33.00±20%	35.10	37.00	9.0	10.7
HE1770470MS□-□□□	47.00±20%	40.70	42.70	8.6	8.7
HE1770560MS□-□□□	56.00±20%	55.00	57.80	4.2	7.2
HE1770680MS□-□□□	68.00±20%	72.10	75.70	4.5	6.1
HE1770820MS□-□□□	82.00±20%	87.30	91.70	4.5	5.5
HE1770101MS□-□□□	100.00±20%	105.00	110.00	4.0	5.0

1. Electrical specifications at 25°C
2. Inductance Test Condition.: 500kHz / 0.25V
3. Isat base on ΔL / L0A=30% typ.(Approximately transient current)
4. Irms base on Temp. rise 40°C typ.
5. Rated Voltage: 50V max.

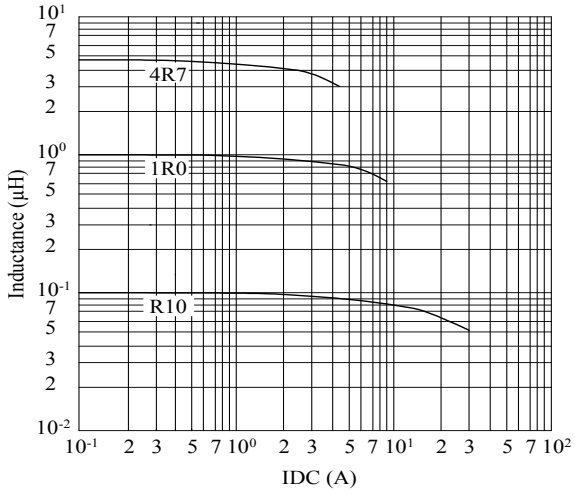
HE0412 Series

@25°C Inductance VS. DC Current Curve



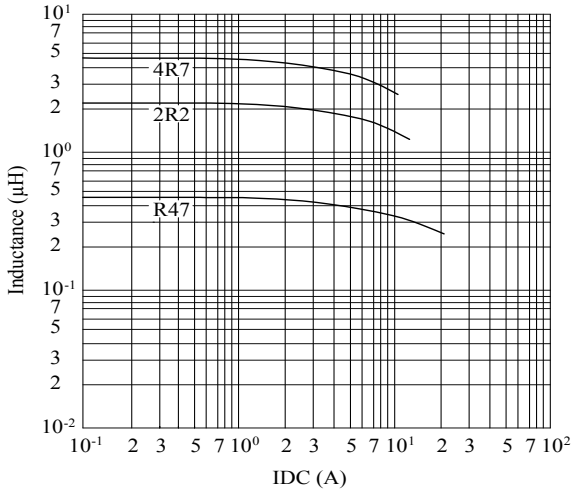
HE0420 Series

@25°C Inductance VS. DC Current Curve



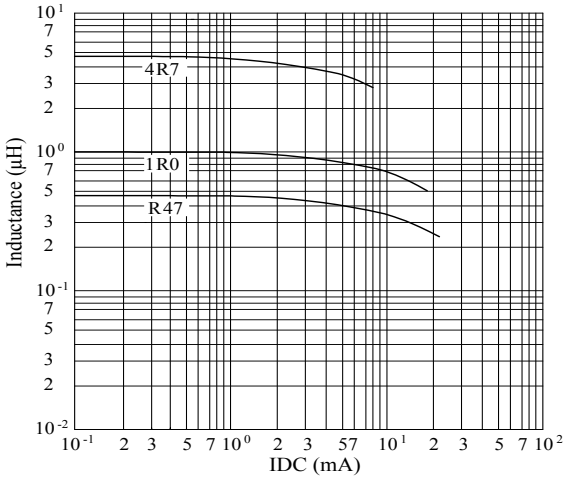
HE0530 Series

@25°C Inductance VS. DC Current Curve



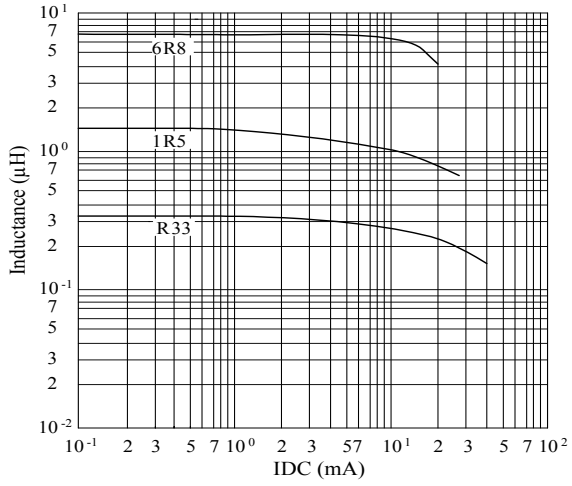
HE0618 Series

@25°C Inductance VS. DC Current Curve



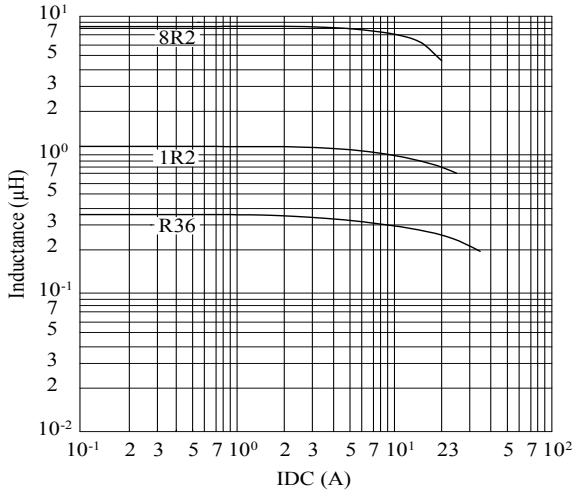
HE0624 Series

@25°C Inductance VS. DC Current Curve



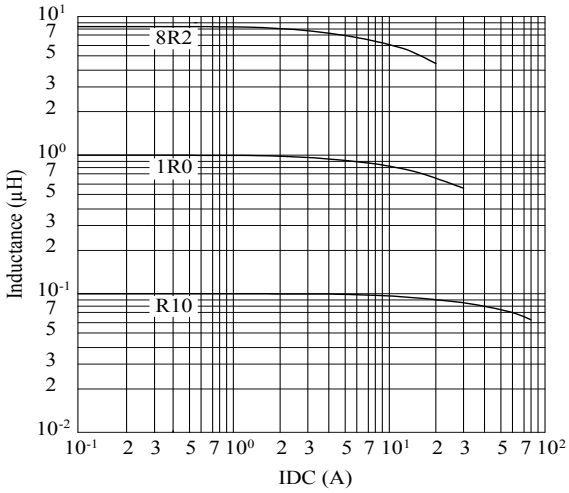
HE0630-L Series

@25°C Inductance VS. DC Current Curve



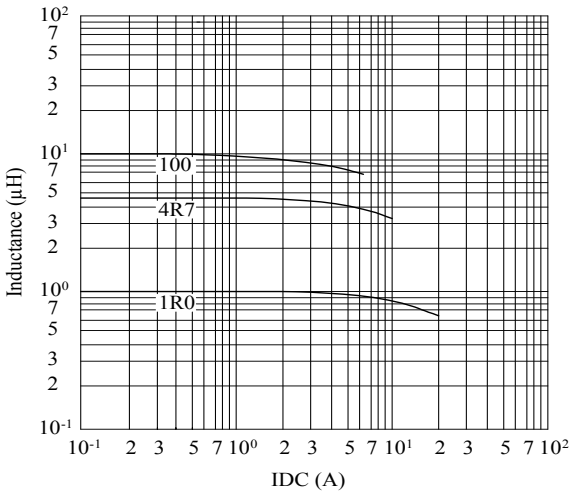
HE0630-S Series

@25°C Inductance VS. DC Current Curve



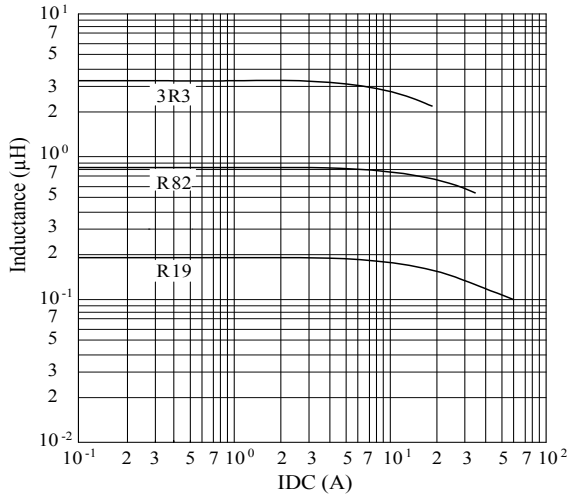
HE0640 Series

@25°C Inductance VS. DC Current Curve



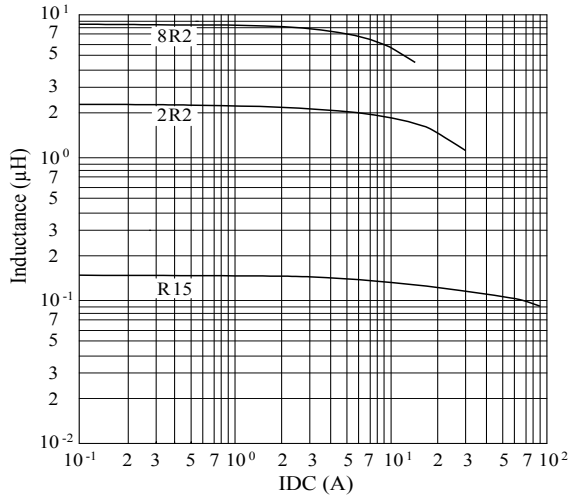
HE1040-L Series

@25°C Inductance VS. DC Current Curve



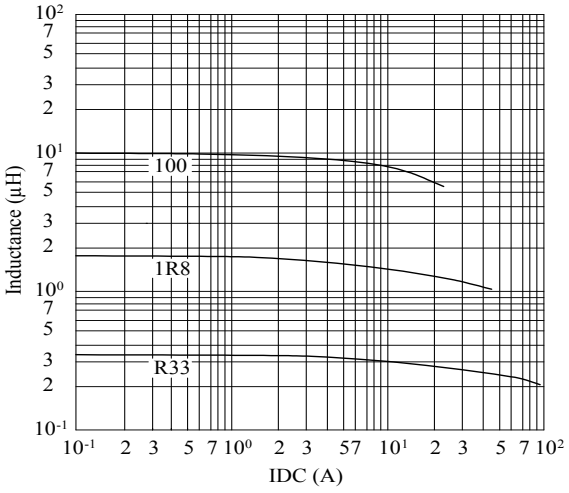
HE1040-S Series

@25°C Inductance VS. DC Current Curve



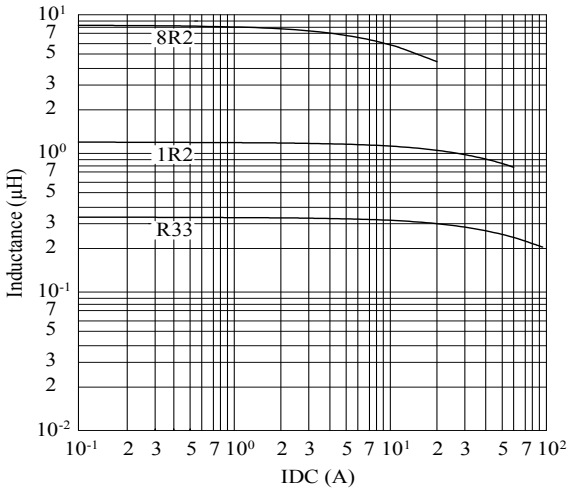
HE1235 Series

@25°C Inductance VS. DC Current Curve



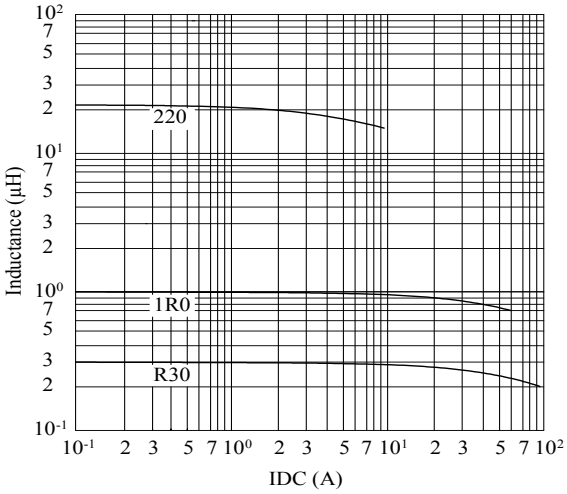
HE1250 Series

@25°C Inductance VS. DC Current Curve



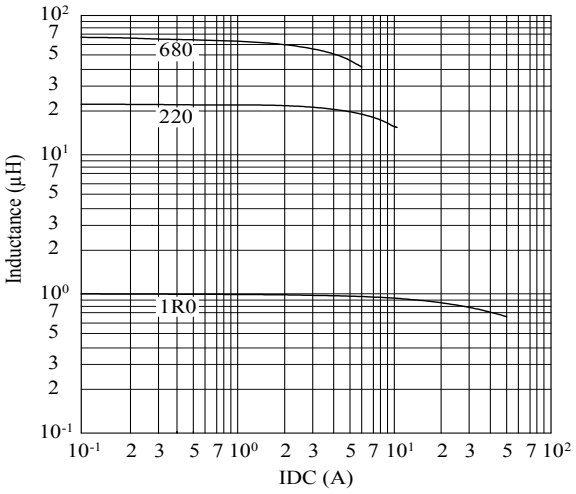
HE1265 Series

@25°C Inductance VS. DC Current Curve



HE1770 Series

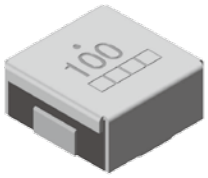
@25°C Inductance VS. DC Current Curve

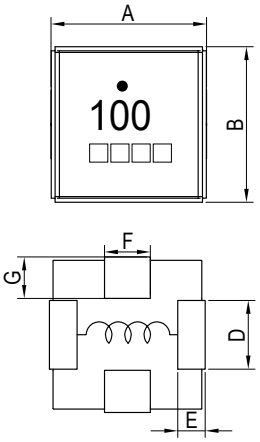


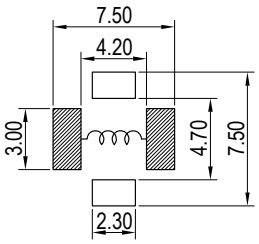
HS SERIES

0735-S / 1145-S

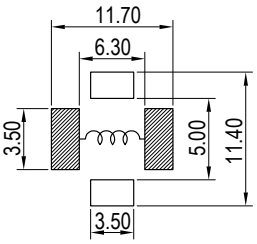
Metal Cover Molded – Standard







(HS0735-S PCB Pattern)



(HS1145-S PCB Pattern)

Unit: mm

Series	A	B	C	D	E	F	G
HS0735-S	7.20±0.30	7.20±0.30	3.50 max.	2.80±0.30	1.50±0.30	2.10±0.30	1.20±0.30
HS1145-S	11.50 max.	10.7±0.50	4.50 max.	2.80±0.50	2.00±0.50	3.00±0.30	2.50±0.50

HS

Features

- Metal E-Shield
- Large current handling capability
- Low RDC
- Operating temp.: -55°C ~ +125°C (including self-temperature rise)

Application

- LED lighting
- Engine control modules
- DC/DC converters

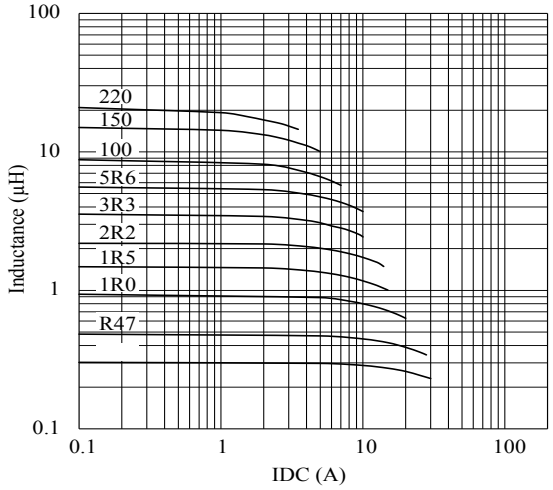
HS0735-S Series					
DWG. No.	Inductance (μH)	RDC (mΩ)		Isat (A) typ.	Irms (A) typ.
		typ.	max.		
HS0735R33MS□-□□□	0.33±20%	3.0	3.5	30.0	21.0
HS0735R47MS□-□□□	0.47±20%	3.5	4.1	25.0	18.0
HS0735R68MS□-□□□	0.68±20%	4.8	5.3	22.0	16.0
HS0735R82MS□-□□□	0.82±20%	5.0	5.5	18.0	15.0
HS07351R0MS□-□□□	1.00±20%	6.7	7.4	16.0	13.0
HS07351R5MS□-□□□	1.50±20%	10.5	12.0	13.0	11.0
HS07352R2MS□-□□□	2.20±20%	13.5	15.0	12.0	9.0
HS07353R3MS□-□□□	3.30±20%	18.0	22.0	9.5	9.0
HS07354R7MS□-□□□	4.70±20%	28.0	33.0	7.5	7.0
HS07355R6MS□-□□□	5.60±20%	39.0	42.0	7.0	5.5
HS07356R8MS□-□□□	6.80±20%	43.0	50.0	6.0	5.0
HS0735100MS□-□□□	10.0±20%	62.0	68.0	5.5	4.5
HS0735150MS□-□□□	15.0±20%	110.0	125.0	3.5	3.5
HS0735220MS□-□□□	22.0±20%	140.0	160.0	3.0	3.0
HS0735330MS□-□□□	33.0±20%	170.0	185.0	2.5	2.5

HS1145-S Series					
DWG. No.	Inductance (μH)	RDC (mΩ)		Isat (A) typ.	Irms (A) typ.
		typ.	max.		
HS11452R2MS□-□□□	2.20±20%	6.50	7.00	18.00	15.00
HS11453R3MS□-□□□	3.30±20%	9.50	10.50	15.00	12.00
HS11454R7MS□-□□□	4.70±20%	12.50	14.00	13.00	11.00
HS11455R6MS□-□□□	5.60±20%	15.80	17.80	12.00	10.00
HS11456R8MS□-□□□	6.80±20%	19.00	21.00	10.00	9.00
HS1145100MS□-□□□	10.0±20%	29.80	32.80	8.50	7.50
HS1145150MS□-□□□	15.0±20%	38.00	43.00	6.50	6.50
HS1145220MS□-□□□	22.0±20%	54.50	60.00	5.00	6.00
HS1145330MS□-□□□	33.0±20%	77.50	85.00	4.50	5.00
HS1145470MS□-□□□	47.0±20%	120.00	130.00	3.00	4.50
HS1145560MS□-□□□	56.0±20%	140.00	155.00	2.80	4.00
HS1145680MS□-□□□	68.0±20%	155.00	170.00	2.50	3.50
HS1145820MS□-□□□	82.0±20%	180.00	200.00	2.20	3.00
HS1145101MS□-□□□	100.0±20%	280.00	300.00	2.00	2.50

1. Electrical specifications at 25°C
2. Inductance Test Condition: 500kHz / 0.25V
3. Isat base on ΔL/L0A=30% typ.
4. Irms base on Temp. rise 40°C typ.
5. Rated Voltage: 50V max.

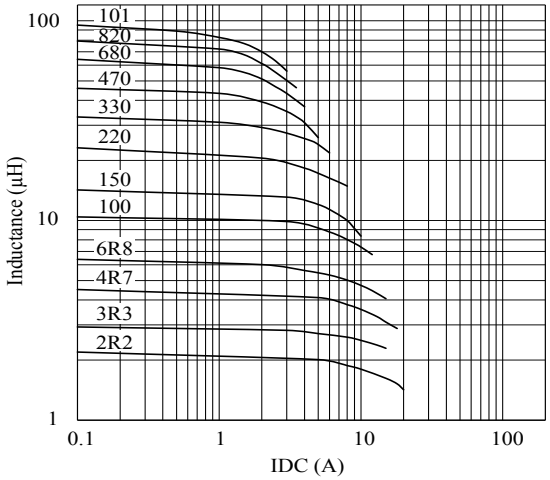
HS0735-S Series

@25°C Inductance VS. DC Current Curve



HS1145-S Series

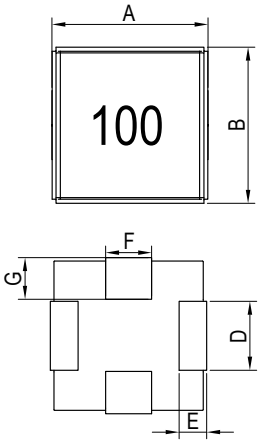
@25°C Inductance VS. DC Current Curve

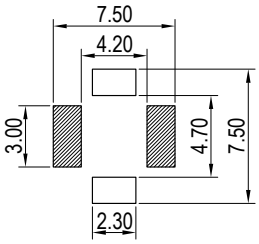


HS SERIES

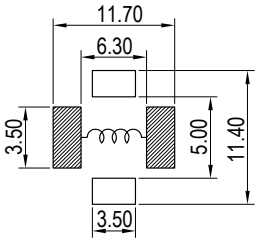
0735-E / 1145-E

Metal Cover Molded – High Saturation





(HS0735-E PCB Pattern)



(HS1145-E PCB Pattern)

Unit: mm

Series	A	B	C	D	E	F	G
HS0735-E	7.20±0.30	7.20±0.30	3.50 max.	2.80±0.30	1.50±0.30	2.10±0.30	1.20±0.30
HS1145-E	11.50 max.	10.7±0.50	4.50 max.	2.80±0.50	2.00±0.50	3.00±0.30	2.50±0.50

HS

Features

- Metal E-Shielded, composite wire-wound construction
- Handles high transient current spikes without saturation
- Lower RDC
- Operating temp.: -55°C ~ +125°C (including self-temperature rise)

compliant RoHS

RoHS & HF compliant

Application

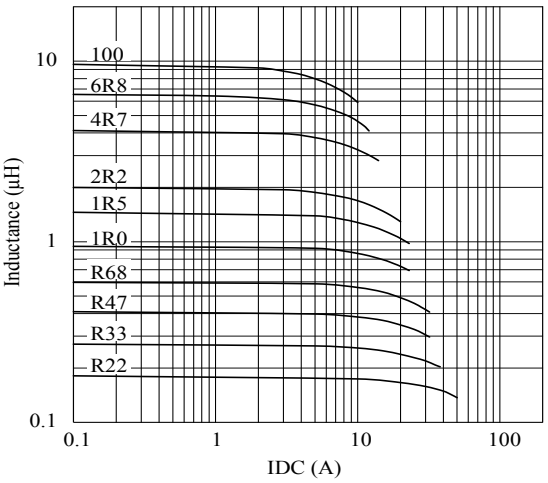
- LED lighting
- Engine control modules
- DC/DC converters

HS0735-S Series					
DWG. No.	Inductance (μH)	RDC (mΩ)		Isat (A) typ.	Irms (A) typ.
		typ.	max.		
HS0735R10ME□-□□□	0.10±20%	1.5	1.7	70.0	34.0
HS0735R22ME□-□□□	0.22±20%	2.5	2.8	50.0	25.5
HS0735R33ME□-□□□	0.33±20%	3.5	3.9	35.0	21.5
HS0735R47ME□-□□□	0.47±20%	4.0	4.2	30.0	21.0
HS0735R56ME□-□□□	0.56±20%	5.0	5.5	28.0	18.0
HS0735R68ME□-□□□	0.68±20%	5.1	5.5	28.0	17.5
HS0735R82ME□-□□□	0.82±20%	6.7	7.8	26.0	14.0
HS07351R0ME□-□□□	1.00±20%	9.0	10.0	25.0	12.0
HS07351R5ME□-□□□	1.50±20%	14.0	15.0	18.0	10.0
HS07352R2ME□-□□□	2.20±20%	18.0	20.0	14.0	10.0
HS07353R3ME□-□□□	3.30±20%	28.0	30.0	13.5	8.0
HS07354R7ME□-□□□	4.70±20%	37.0	40.0	11.0	6.0
HS07355R6ME□-□□□	5.60±20%	52.0	60.0	10.5	5.8
HS07356R8ME□-□□□	6.80±20%	54.0	60.0	9.0	5.5
HS07358R2ME□-□□□	8.20±20%	64.0	68.0	7.5	5.0
HS0735100ME□-□□□	10.0±20%	102.0	105.0	7.0	4.0
HS1145-S Series					
DWG. No.	Inductance (μH)	RDC (mΩ)		Isat (A) typ.	Irms (A) typ.
		typ.	max.		
HS11451R0ME□-□□□	1.00±20%	3.00	3.30	31.00	18.00
HS11451R5ME□-□□□	1.50±20%	3.80	4.20	27.00	16.00
HS11452R2ME□-□□□	2.20±20%	6.70	7.00	24.00	12.00
HS11453R3ME□-□□□	3.30±20%	10.80	11.80	19.00	10.00
HS11454R7ME□-□□□	4.70±20%	15.00	16.50	17.00	9.50
HS11455R6ME□-□□□	5.60±20%	17.60	19.30	16.00	8.50
HS11456R8ME□-□□□	6.80±20%	21.20	23.30	13.00	8.00
HS11458R2ME□-□□□	8.20±20%	26.00	29.00	10.00	7.00
HS1145100ME□-□□□	10.00±20%	33.20	36.50	9.00	6.80
HS1145150ME□-□□□	15.00±20%	40.00	45.00	7.00	6.25
HS1145220ME□-□□□	22.00±20%	60.00	66.00	5.50	5.00
HS1145330ME□-□□□	33.00±20%	85.00	92.00	5.00	4.40
HS1145470ME□-□□□	47.00±20%	130.00	145.00	3.50	4.00
HS1145680ME□-□□□	68.00±20%	155.00	170.00	3.00	3.50

1. Electrical specifications at 25°C
2. Inductance Test Condition. :500kHz / 0.25V
3. Isat base on ΔL/L0A=30% typ.
4. Irms base on Temp. rise 40°C typ.

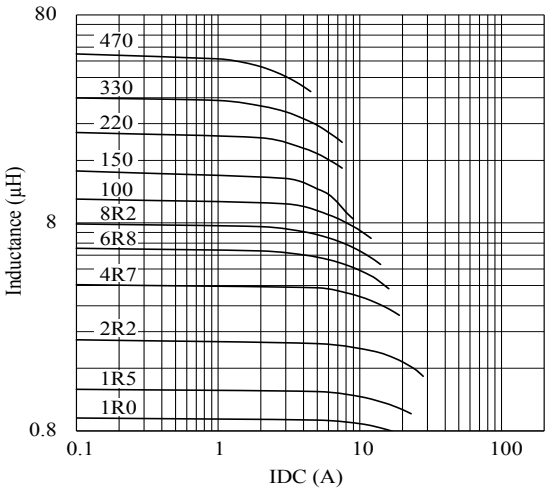
HS0735-S Series

@25°C Inductance VS. DC Current Curve



HS1145-S Series

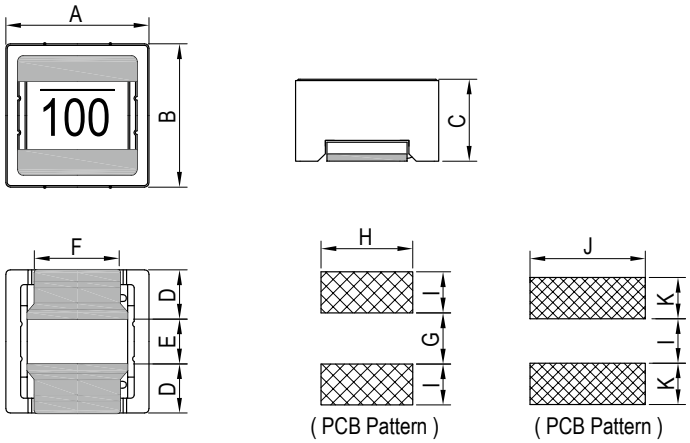
@25°C Inductance VS. DC Current Curve



QS SERIES

3818 / 3828 / 4818 / 4828 / 5818 / 5828 / 6822 / 6828

Low-profile



Unit: mm

Series	A	B	C	D	E	F	G	H	I	J	K
QS3818	3.80±0.20	3.80±0.20	1.80±0.20	1.30±0.20	1.20±0.20	2.00±0.20	0.8 ref.	2.90 ref.	1.70 ref.		
QS3828	3.80±0.20	3.80±0.20	2.80±0.20	1.30±0.20	1.20±0.20	1.90±0.20		0.50±0.20	0.80 ref.	2.90 ref.	1.85 ref.
QS4818	4.80±0.20	4.80±0.20	1.80±0.20	1.60±0.20	1.60±0.20	2.90±0.20	1.17 ref.	4.20 ref.	1.98 ref.		
QS4828	4.80±0.20	4.80±0.20	2.80±0.20	1.60±0.20	1.60±0.20	2.90±0.20	1.17 ref.	4.20 ref.	1.98 ref.		
QS5818	5.80±0.30	5.80±0.30	1.80±0.20	1.90 typ.	2.00 typ.	3.40±0.20		0.50±0.20	1.70 ref.	4.85 ref.	2.30 ref.
QS5828	5.80±0.30	5.80±0.30	2.80±0.20	1.90±0.30	2.00±0.30	3.40±0.20		0.50±0.20	1.60 ref.	4.85 ref.	2.30 ref.
QS6822	6.80±0.30	6.80±0.30	2.30±0.20	2.10 typ.	2.60 typ.	4.25±0.20		0.30 min.	2.20 ref.	5.45 ref.	2.50 ref.
QS6828	6.80±0.30	6.80±0.30	2.80±0.20	2.10 typ.	2.60 typ.	4.25±0.20		0.30 min.	2.20 ref.	5.45 ref.	2.50 ref.

Features

- Magnetic shielding allows high-density mounting
- Low profile
- Low RDC
- High current handling capability
- Operating temp.: -40°C ~ +125°C (including self-temperature rise)

compliant RoHS

RoHS & HF compliant

Application

- DC-DC converters
- Buck-boost regulators

QS3818 Series							
DWG. No.	Inductance (µH)	RDC (mΩ)		SRF (MHz) typ.	Isat (A) typ.	Irms[1] (A) typ.	Irms[2] (A) typ.
		typ.	max.				
QS38181R0YL□-□□□	1.0±30%	27.5	37.0	165	2.10	2.75	3.60
QS38181R5YL□-□□□	1.5±30%	33.0	47.0	125	1.60	2.50	3.10
QS38182R2YL□-□□□	2.2±30%	45.5	60.0	95	1.40	2.00	2.60
QS38182R7YL□-□□□	2.7±30%	49.5	65.0	90	1.30	1.90	2.50
QS38183R3YL□-□□□	3.3±30%	64.5	85.0	75	1.15	1.70	2.10
QS38183R9YL□-□□□	3.9±30%	80.0	105.0	70	1.05	1.60	2.00
QS38184R7YL□-□□□	4.7±30%	90.0	120.0	60	0.95	1.50	1.90
QS38186R8YL□-□□□	6.8±30%	125.0	160.0	50	0.80	1.25	1.60
QS3818100ML□-□□□	10.0±20%	180.0	235.0	40	0.65	1.00	1.30
QS3818150ML□-□□□	15.0±20%	260.0	340.0	30	0.55	0.80	1.05
QS3818220ML□-□□□	22.0±20%	395.0	500.0	25	0.43	0.65	0.80
QS3818330ML□-□□□	33.0±20%	590.0	740.0	20	0.34	0.50	0.65
QS3818470ML□-□□□	47.0±20%	825.0	1030.0	15	0.30	0.45	0.56
QS3818680ML□-□□□	68.0±20%	1280.0	1600.0	13	0.24	0.38	0.46
QS3818101ML□-□□□	100.0±20%	2040.0	2600.0	11	0.20	0.28	0.34
QS3828 Series							
DWG. No.	Inductance (µH)	RDC (mΩ)		SRF (MHz) typ.	Isat (A) typ.	Irms[1] (A) typ.	Irms[2] (A) typ.
		typ.	max.				
QS38283R3YL□-□□□	3.3±30%	37.0	48.0	64	1.70	2.00	2.50
QS38284R7YL□-□□□	4.7±30%	51.0	66.0	55	1.48	1.80	2.40
QS38286R8YL□-□□□	6.8±30%	86.0	110.0	36	1.16	1.14	1.60
QS3828100ML□-□□□	10.0±20%	120.0	154.0	27	0.95	1.04	1.50
QS3828150ML□-□□□	15.0±20%	160.0	200.0	23	0.80	0.95	1.30
QS3828220ML□-□□□	22.0±20%	265.0	330.0	20	0.68	0.76	1.00
QS3828330ML□-□□□	33.0±20%	392.0	490.0	19	0.54	0.50	0.70
QS3828470ML□-□□□	47.0±20%	475.0	595.0	12	0.45	0.45	0.65
QS3828680ML□-□□□	68.0±20%	633.0	790.0	9	0.38	0.36	0.55
QS3828101ML□-□□□	100.0±20%	956.0	1150.0	8	0.32	0.34	0.48

QS4818 Series

DWG. No.	Inductance (µH)	RDC (mΩ)		SRF (MHz) typ.	Isat (A) typ.	Irms[1] (A) typ.	Irms[2] (A) typ.
		typ.	max.				
QS48181R0YL□-□□□	1.0±30%	19.2	25.0	140	3.60	4.00	5.10
QS48181R5YL□-□□□	1.5±30%	25.2	35.0	105	3.00	3.75	4.70
QS48182R2YL□-□□□	2.2±30%	33.7	45.0	90	2.43	2.70	3.50
QS48183R3YL□-□□□	3.3±30%	42.8	55.0	70	2.10	2.50	3.10
QS48183R9YL□-□□□	3.9±30%	54.5	70.0	65	1.90	2.20	2.70
QS48184R7YL□-□□□	4.7±30%	59.4	80.0	55	1.50	2.00	2.60
QS48185R6YL□-□□□	5.6±30%	74.3	90.0	50	1.35	1.75	2.30
QS48186R8YL□-□□□	6.8±30%	82.1	100.0	45	1.25	1.65	2.20
QS48188R2YL□-□□□	8.2±30%	97.7	130.0	43	1.15	1.55	1.90
QS4818100ML□-□□□	10.0±20%	109.8	140.0	40	1.05	1.45	1.80
QS4818120ML□-□□□	12.0±20%	132.2	170.0	37	0.95	1.30	1.60
QS4818150ML□-□□□	15.0±20%	176.7	220.0	30	0.87	1.25	1.50
QS4818180ML□-□□□	18.0±20%	214.8	280.0	28	0.79	1.10	1.40
QS4818220ML□-□□□	22.0±20%	280.3	360.0	25	0.72	1.00	1.25
QS4818270ML□-□□□	27.0±20%	317.6	400.0	22	0.63	0.90	1.15
QS4818330ML□-□□□	33.0±20%	399.1	500.0	20	0.56	0.70	0.90
QS4818390ML□-□□□	39.0±20%	439.3	540.0	17	0.53	0.63	0.80
QS4818470ML□-□□□	47.0±20%	504.1	630.0	16	0.47	0.60	0.75
QS4818560ML□-□□□	56.0±20%	643.1	800.0	14	0.45	0.55	0.67
QS4818680ML□-□□□	68.0±20%	778.4	970.0	13	0.40	0.50	0.62
QS4818820ML□-□□□	82.0±20%	960.5	1200.0	12	0.35	0.45	0.57
QS4818101ML□-□□□	100.0±20%	1158.4	1400.0	10	0.33	0.38	0.50

QS4828 Series

DWG. No.	Inductance (µH)	RDC (mΩ)		SRF (MHz) typ.	Isat (A) typ.	Irms[1] (A) typ.	Irms[2] (A) typ.
		typ.	max.				
QS48281R2YL□-□□□	1.2±30%	18.5	24.0	155.0	3.00	3.50	5.00
QS48281R8YL□-□□□	1.8±30%	22.7	30.0	105.0	2.50	3.00	4.60
QS48282R7YL□-□□□	2.7±30%	26.2	34.0	80.0	2.20	2.50	4.00
QS48283R9YL□-□□□	3.9±30%	36.3	47.0	60.0	1.80	2.20	3.40
QS48284R7YL□-□□□	4.7±30%	41.4	54.0	50.0	1.60	2.10	3.00
QS48286R8YL□-□□□	6.8±30%	57.0	74.0	40.0	1.30	1.65	2.60
QS48288R2YL□-□□□	8.2±30%	66.8	87.0	35.0	1.25	1.60	2.40
QS4828100ML□-□□□	10.0±20%	76.4	100.0	30.0	1.10	1.50	2.30
QS4828120ML□-□□□	12.0±20%	100.0	125.0	27.0	0.95	1.35	2.00
QS4828150ML□-□□□	15.0±20%	108.8	145.0	25.0	0.92	1.30	1.80
QS4828180ML□-□□□	18.0±20%	125.0	160.0	22.0	0.80	1.20	1.70
QS4828220ML□-□□□	22.0±20%	145.9	185.0	20.0	0.68	1.10	1.55
QS4828330ML□-□□□	33.0±20%	208.2	260.0	15.0	0.60	0.90	1.40
QS4828470ML□-□□□	47.0±20%	215.0	270.0	13.0	0.47	0.88	1.20
QS4828560ML□-□□□	56.0±20%	260.4	320.0	12.0	0.40	0.85	1.05
QS4828680ML□-□□□	68.0±20%	294.3	370.0	11.0	0.38	0.80	0.90
QS4828820ML□-□□□	82.0±20%	381.9	480.0	10.0	0.35	0.70	0.85
QS4828101ML□-□□□	100.0±20%	495.3	600.0	8.5	0.33	0.65	0.70
QS4828121ML□-□□□	120.0±20%	630.0	760.0	8.0	0.30	0.50	0.65
QS4828151ML□-□□□	150.0±20%	713.9	860.0	7.0	0.28	0.45	0.60
QS4828181ML□-□□□	180.0±20%	899.1	1080.0	6.0	0.26	0.43	0.55
QS4828221ML□-□□□	220.0±20%	1000.7	1250.0	5.5	0.24	0.41	0.50
QS4828271ML□-□□□	270.0±20%	1418.0	1700.0	5.0	0.21	0.40	0.45
QS4828331ML□-□□□	330.0±20%	1552.8	1800.0	4.5	0.20	0.32	0.40
QS4828391ML□-□□□	390.0±20%	2057.5	2400.0	4.0	0.17	0.30	0.35
QS4828471ML□-□□□	470.0±20%	2312.3	2600.0	3.3	0.16	0.27	0.33
QS4828561ML□-□□□	560.0±20%	2605.5	3000.0	3.0	0.15	0.25	0.30

• All specifications are subject to change without notice.

QS5818 Series

DWG. No.	Inductance (μH)	RDC (mΩ)		SRF (MHz) typ.	Isat (A) typ.	Irms[1] (A) typ.	Irms[2] (A) typ.
		typ.	max.				
QS58181R5YL□-□□□	1.5±30%	24.0	31.0	100.0	3.90	3.00	4.80
QS58182R0YL□-□□□	2.0±30%	33.0	43.0	83.0	3.20	2.50	3.50
QS58183R0YL□-□□□	3.0±30%	58.0	75.0	73.0	2.70	1.90	2.65
QS58183R9YL□-□□□	3.9±30%	72.0	94.0	63.0	2.40	1.70	2.40
QS58185R0YL□-□□□	5.0±30%	83.0	108.0	56.0	2.10	1.60	2.20
QS58186R2YL□-□□□	6.2±30%	95.0	123.0	51.0	1.90	1.50	2.00
QS58187R5YL□-□□□	7.5±30%	115.0	152.0	43.0	1.75	1.35	1.70
QS58189R0YL□-□□□	9.0±30%	140.0	185.0	38.0	1.60	1.20	1.60
QS5818100ML□-□□□	10.0±20%	180.0	235.0	30.0	1.45	1.10	1.50
QS5818120ML□-□□□	12.0±20%	195.0	250.0	29.0	1.35	1.00	1.45
QS5818150ML□-□□□	15.0±20%	230.0	300.0	25.0	1.20	0.90	1.30
QS5818180ML□-□□□	18.0±20%	280.0	365.0	23.0	1.15	0.85	1.20
QS5818220ML□-□□□	22.0±20%	365.0	475.0	21.0	0.98	0.75	1.05
QS5818270ML□-□□□	27.0±20%	410.0	510.0	20.0	0.90	0.70	0.95
QS5818330ML□-□□□	33.0±20%	455.0	570.0	18.0	0.83	0.65	0.90
QS5818390ML□-□□□	39.0±20%	570.0	710.0	15.0	0.75	0.60	0.85
QS5818470ML□-□□□	47.0±20%	650.0	810.0	14.0	0.68	0.57	0.80
QS5818560ML□-□□□	56.0±20%	700.0	875.0	13.0	0.63	0.55	0.75
QS5818680ML□-□□□	68.0±20%	965.0	1205.0	11.0	0.56	0.47	0.58
QS5818820ML□-□□□	82.0±20%	1135.0	1420.0	10.0	0.52	0.43	0.55
QS5818101ML□-□□□	100.0±20%	1515.0	1890.0	9.0	0.47	0.37	0.52
QS5818121ML□-□□□	120.0±20%	1690.0	2110.0	8.0	0.42	0.35	0.50
QS5818151ML□-□□□	150.0±20%	2140.0	2675.0	7.0	0.38	0.31	0.44
QS5818181ML□-□□□	180.0±20%	2700.0	3245.0	6.0	0.34	0.28	0.35
QS5818221ML□-□□□	220.0±20%	3400.0	4080.0	5.0	0.32	0.24	0.33

QS5828 Series

DWG. No.	Inductance (μH)	RDC (mΩ)		SRF (MHz) typ.	Isat (A) typ.	Irms[1] (A) typ.	Irms[2] (A) typ.
		typ.	max.				
QS58282R6YL□-□□□	2.6±30%	23.0	30.0	78.0	3.15	3.25	4.50
QS58284R7YL□-□□□	4.7±30%	31.0	40.0	48.0	2.57	3.00	4.00
QS58285R3YL□-□□□	5.3±30%	35.0	42.0	46.0	2.20	2.80	3.80
QS58286R2YL□-□□□	6.2±30%	45.0	57.0	41.0	2.10	2.60	3.50
QS58288R2YL□-□□□	8.2±30%	49.0	63.0	37.0	1.62	2.30	3.00
QS5828100ML□-□□□	10.0±20%	64.0	83.0	32.0	1.55	2.00	2.60
QS5828120ML□-□□□	12.0±20%	76.0	100.0	25.0	1.50	1.85	2.50
QS5828150ML□-□□□	15.0±20%	90.0	115.0	25.0	1.35	1.70	2.25
QS5828180ML□-□□□	18.0±20%	100.0	130.0	22.0	1.30	1.60	2.15
QS5828220ML□-□□□	22.0±20%	125.0	160.0	19.0	1.15	1.35	1.75
QS5828270ML□-□□□	27.0±20%	147.0	180.0	18.0	1.05	1.25	1.65
QS5828330ML□-□□□	33.0±20%	190.0	230.0	15.0	0.92	1.10	1.40
QS5828390ML□-□□□	39.0±20%	200.0	260.0	14.0	0.86	1.05	1.37
QS5828470ML□-□□□	47.0±20%	247.0	305.0	13.0	0.78	1.00	1.33
QS5828560ML□-□□□	56.0±20%	315.0	395.0	11.0	0.70	0.85	1.13
QS5828680ML□-□□□	68.0±20%	375.0	470.0	10.0	0.65	0.80	1.03
QS5828820ML□-□□□	82.0±20%	425.0	530.0	9.0	0.60	0.73	0.95
QS5828101ML□-□□□	100.0±20%	515.0	645.0	8.0	0.53	0.60	0.80
QS5828151ML□-□□□	150.0±20%	745.0	910.0	7.0	0.45	0.55	0.70
QS5828181ML□-□□□	180.0±20%	885.0	1100.0	5.5	0.42	0.48	0.64
QS5828221ML□-□□□	220.0±20%	1027.0	1200.0	5.0	0.37	0.45	0.62
QS5828331ML□-□□□	330.0±20%	1800.0	2100.0	4.0	0.30	0.35	0.46
QS5828681ML□-□□□	680.0±20%	4045.0	4800.0	3.0	0.21	0.23	0.31

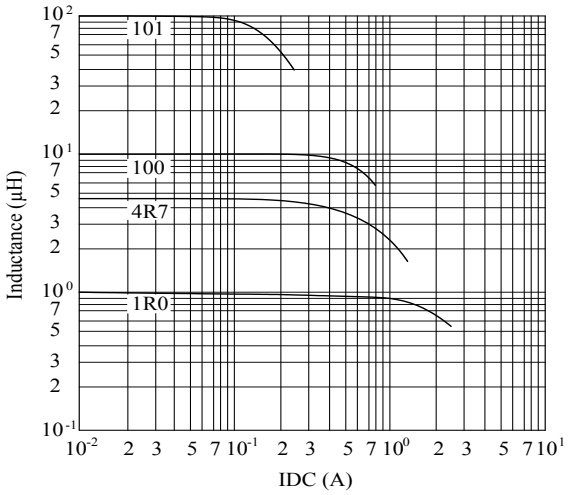
QS6822 Series							
DWG. No.	Inductance (µH)	RDC (mΩ)		SRF (MHz) typ.	Isat (A) typ.	Irms[1] (A) typ.	Irms[2] (A) typ.
		typ.	max.				
QS68221R0YL□-□□□	1.0±30%	15.0	19.0	109.0	4.40	4.20	5.80
QS68221R5YL□-□□□	1.5±30%	17.0	22.0	77.0	3.50	3.70	5.00
QS68222R2YL□-□□□	2.2±30%	21.0	27.0	72.0	2.70	3.40	4.80
QS68223R3YL□-□□□	3.3±30%	25.0	33.0	62.0	2.40	3.00	4.30
QS68225R0YL□-□□□	5.0±30%	38.0	50.0	48.0	2.00	2.60	3.60
QS68226R2YL□-□□□	6.2±30%	44.0	57.0	42.0	1.70	2.40	3.40
QS68227R5YL□-□□□	7.5±30%	49.0	64.0	36.0	1.55	2.30	3.20
QS6822100ML□-□□□	10.0±20%	68.0	88.0	33.0	1.35	2.00	2.70
QS6822120ML□-□□□	12.0±20%	70.0	90.0	32.0	1.25	1.90	2.65
QS6822150ML□-□□□	15.0±20%	84.0	110.0	23.0	1.10	1.70	2.45
QS6822180ML□-□□□	18.0±20%	100.0	130.0	22.0	1.00	1.60	2.25
QS6822220ML□-□□□	22.0±20%	126.0	165.0	21.0	0.95	1.40	2.00
QS6822270ML□-□□□	27.0±20%	167.0	220.0	19.0	0.80	1.25	1.75
QS6822330ML□-□□□	33.0±20%	200.0	235.0	18.0	0.75	1.10	1.60
QS6822390ML□-□□□	39.0±20%	232.0	285.0	15.0	0.64	1.05	1.50
QS6822470ML□-□□□	47.0±20%	283.0	345.0	14.0	0.60	0.95	1.35
QS6822560ML□-□□□	56.0±20%	314.0	390.0	13.0	0.56	0.85	1.20
QS6822680ML□-□□□	68.0±20%	391.0	480.0	12.0	0.52	0.80	1.15
QS6822820ML□-□□□	82.0±20%	437.0	540.0	10.0	0.45	0.77	1.10
QS6822101ML□-□□□	100.0±20%	560.0	680.0	9.5	0.42	0.67	0.95
QS6822121ML□-□□□	120.0±20%	628.0	760.0	8.0	0.39	0.58	0.82
QS6822151ML□-□□□	150.0±20%	945.0	1100.0	7.5	0.34	0.52	0.73
QS6822181ML□-□□□	180.0±20%	1026.0	1200.0	7.0	0.31	0.48	0.68
QS6822221ML□-□□□	220.0±20%	1170.0	1380.0	5.5	0.28	0.46	0.65
QS6822271ML□-□□□	270.0±20%	1510.0	1770.0	5.2	0.24	0.40	0.55
QS6822331ML□-□□□	330.0±20%	1676.0	2000.0	5.0	0.23	0.36	0.51
QS6822391ML□-□□□	390.0±20%	2178.0	2600.0	4.8	0.21	0.32	0.46
QS6822471ML□-□□□	470.0±20%	2693.0	3200.0	4.0	0.19	0.30	0.42
QS6822561ML□-□□□	560.0±20%	3019.0	3580.0	3.8	0.18	0.27	0.39
QS6822681ML□-□□□	680.0±20%	3599.0	4300.0	3.2	0.16	0.26	0.36
QS6822821ML□-□□□	820.0±20%	4639.0	5500.0	3.0	0.14	0.23	0.32
QS6822102ML□-□□□	1000.0±20%	5742.0	6850.0	2.6	0.13	0.20	0.28

QS6828 Series							
DWG. No.	Inductance (μH)	RDC (mΩ)		SRF (MHz) typ.	Isat (A) typ.	Irms[1] (A) typ.	Irms[2] (A) typ.
		typ.	max.				
QS68282R5YL□-□□□	2.5±30%	23.0	30.0	77.0	3.40	4.50	4.90
QS68283R3YL□-□□□	3.3±30%	25.0	33.0	63.0	3.00	3.30	4.70
QS68284R3YL□-□□□	4.3±30%	33.0	43.0	55.0	2.60	2.80	4.00
QS68285R0YL□-□□□	5.0±30%	38.0	48.0	48.0	2.30	2.65	3.80
QS68286R4YL□-□□□	6.4±30%	46.0	60.0	42.0	2.10	2.35	3.40
QS68287R7YL□-□□□	7.7±30%	54.0	70.0	37.0	1.90	2.20	3.20
QS6828100ML□-□□□	10.0±20%	64.0	84.0	33.0	1.75	2.15	2.90
QS6828150ML□-□□□	15.0±20%	113.0	145.0	24.0	1.40	1.60	2.20
QS6828220ML□-□□□	22.0±20%	141.0	180.0	20.0	1.15	1.50	2.00
QS6828330ML□-□□□	33.0±20%	170.0	205.0	15.0	0.92	1.40	1.80
QS6828470ML□-□□□	47.0±20%	240.0	290.0	13.0	0.80	1.00	1.40
QS6828680ML□-□□□	68.0±20%	340.0	410.0	10.0	0.67	0.90	1.20
QS6828101ML□-□□□	100.0±20%	460.0	555.0	8.0	0.55	0.80	1.00
QS6828151ML□-□□□	150.0±20%	740.0	890.0	6.0	0.44	0.60	0.80
QS6828221ML□-□□□	220.0±20%	1057.0	1200.0	5.5	0.36	0.45	0.60
QS6828331ML□-□□□	330.0±20%	1510.0	1740.0	4.5	0.30	0.40	0.55
QS6828471ML□-□□□	470.0±20%	2210.0	2540.0	3.5	0.25	0.30	0.45
QS6828681ML□-□□□	680.0±20%	3180.0	3560.0	3.0	0.21	0.25	0.35
QS6828102ML□-□□□	1000.0±20%	4070.0	4480.0	2.5	0.17	0.20	0.30

1. Electrical specifications at 25°C
2. Inductance Test condition: 100kHz /0.1V
3. Isat base on ΔL/L0A=35% typ.
4. Irms1 base on Temp. rise 20°C typ.
5. Irms2 base on Temp. rise 40°C typ.

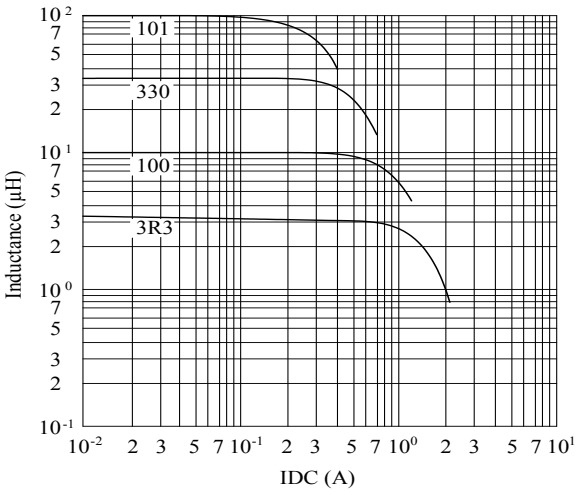
QS3818 Series

@ Inductance VS. DC Current Curve



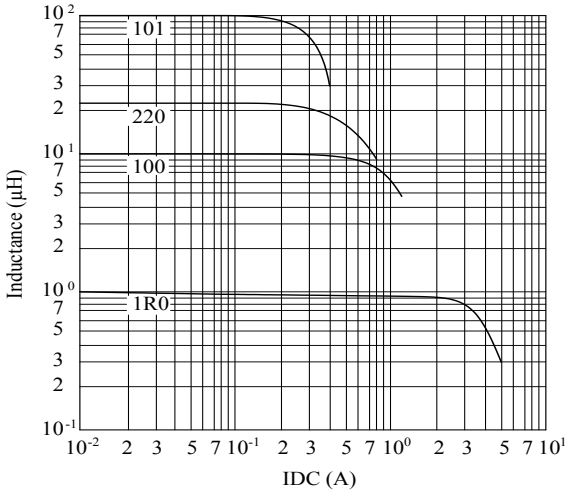
QS3828 Series

@ Inductance VS. DC Current Curve



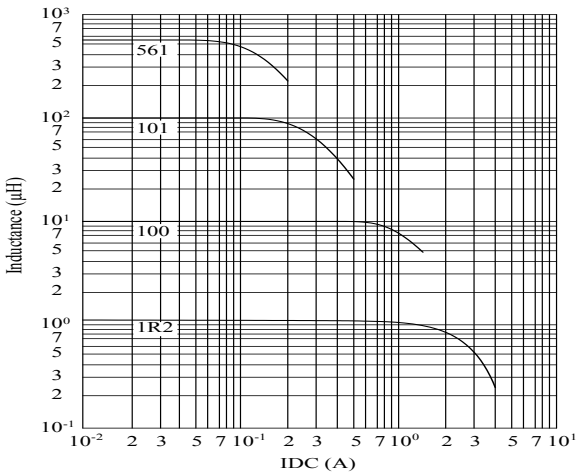
QS4818 Series

@ Inductance VS. DC Current Curve



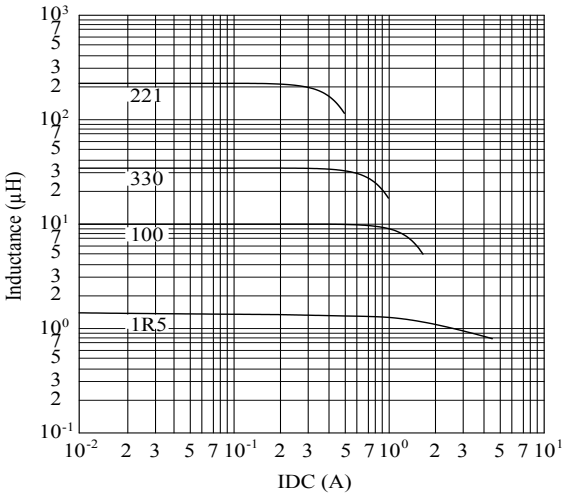
QS4828 Series

@ Inductance VS. DC Current Curve



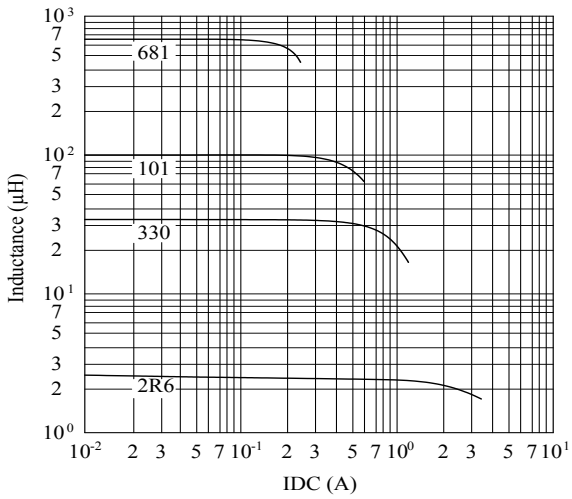
QS5818 Series

@ Inductance VS. DC Current Curve



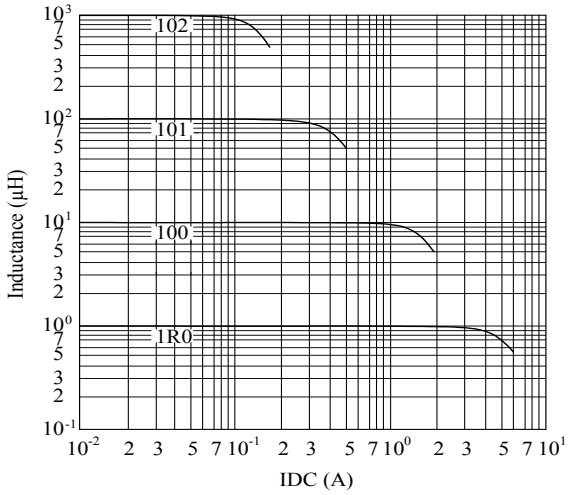
QS5828 Series

@ Inductance VS. DC Current Curve



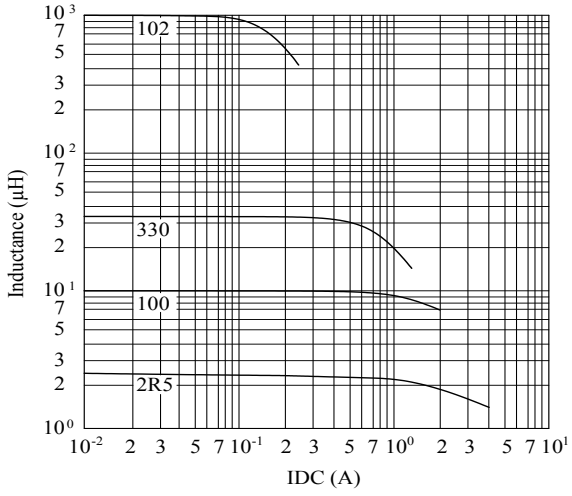
QS6822 Series

@ Inductance VS. DC Current Curve



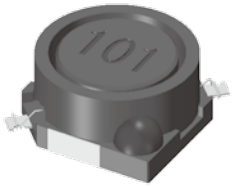
QS6828 Series

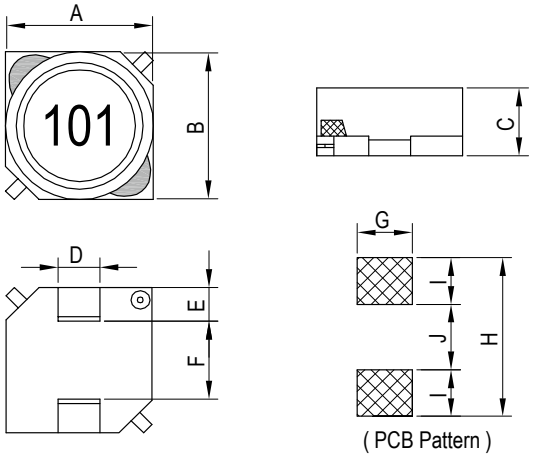
@ Inductance VS. DC Current Curve



SS SERIES 6028 / 6038

High Inductance





Unit: mm

Series	A	B	C	D	E	F	G	H	I	J
SS6028	6.00±0.30	6.00±0.30	2.80±0.30	2.00±0.30	1.90 typ.	2.20 ref.	2.40 ref.	6.70 ref.	2.30 ref.	2.10 ref.
SS6038	6.00±0.30	6.00±0.30	3.80±0.30	2.00±0.30	1.90 typ.	2.20 ref.	2.40 ref.	6.70 ref.	2.30 ref.	2.10 ref.

Features

- Magnetic shielding allows high-density mounting
- Excellent current handling capability
- Operating temp.: -40°C ~ +125°C (including self-temperature rise)

compliant RoHS

RoHS & HF compliant

Application

- DC-DC converters
- Buck-boost regulators

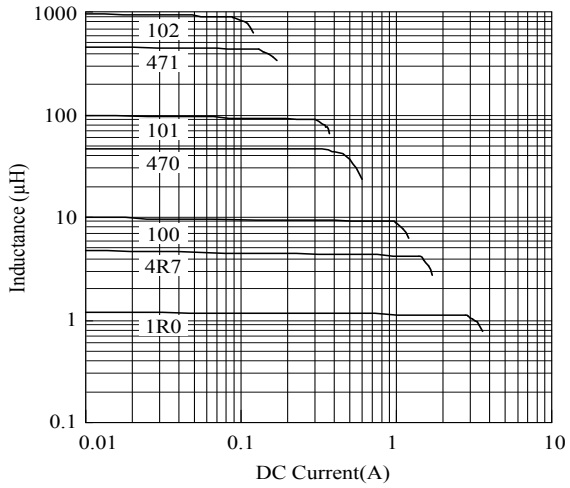
SS

SS6028 Series					
DWG. No.	Inductance (µH)	Test Freq. (Hz)	RDC (Ω) max.	Irms (A)	Isat (A)
SS60281R0ML□-□□□	1.0±20%	1k	0.022	3.80	3.00
SS60281R5ML□-□□□	1.5±20%	1k	0.025	3.20	2.50
SS60282R2ML□-□□□	2.2±20%	1k	0.032	3.00	2.20
SS60283R3ML□-□□□	3.3±20%	1k	0.044	1.92	1.55
SS60284R7ML□-□□□	4.7±20%	1k	0.050	1.80	1.35
SS60286R8ML□-□□□	6.8±20%	1k	0.070	1.45	1.20
SS6028100ML□-□□□	10.0±20%	1k	0.105	1.20	1.00
SS6028150ML□-□□□	15.0±20%	1k	0.140	1.00	0.80
SS6028220ML□-□□□	22.0±20%	1k	0.220	0.80	0.65
SS6028330ML□-□□□	33.0±20%	1k	0.280	0.65	0.55
SS6028470ML□-□□□	47.0±20%	1k	0.380	0.55	0.48
SS6028680ML□-□□□	68.0±20%	1k	0.600	0.45	0.38
SS6028101ML□-□□□	100.0±20%	1k	0.840	0.38	0.31
SS6028151ML□-□□□	150.0±20%	1k	1.200	0.30	0.26
SS6028221ML□-□□□	220.0±20%	1k	1.700	0.25	0.22
SS6028331ML□-□□□	330.0±20%	1k	2.450	0.20	0.17
SS6028471ML□-□□□	470.0±20%	1k	3.600	0.17	0.14
SS6028681ML□-□□□	680.0±20%	1k	5.400	0.13	0.11
SS6028102ML□-□□□	1000.0±20%	1k	8.200	0.11	0.09
SS6038 Series					
DWG. No.	Inductance (µH)	Test Freq. (Hz)	RDC (Ω) max.	Irms (A)	Isat (A)
SS60381R0ML□-□□□	1.0±20%	1k	0.018	3.70	4.00
SS60381R5ML□-□□□	1.5±20%	1k	0.020	3.40	3.40
SS60382R2ML□-□□□	2.2±20%	1k	0.030	2.70	2.65
SS60383R3ML□-□□□	3.3±20%	1k	0.033	2.50	2.20
SS60384R7ML□-□□□	4.7±20%	1k	0.040	2.20	1.90
SS60386R8ML□-□□□	6.8±20%	1k	0.050	2.00	1.60
SS6038100ML□-□□□	10.0±20%	1k	0.065	1.80	1.30
SS6038150ML□-□□□	15.0±20%	1k	0.100	1.15	1.10
SS6038220ML□-□□□	22.0±20%	1k	0.150	1.00	0.85
SS6038330ML□-□□□	33.0±20%	1k	0.220	0.85	0.65
SS6038470ML□-□□□	47.0±20%	1k	0.300	0.70	0.55
SS6038680ML□-□□□	68.0±20%	1k	0.390	0.60	0.45
SS6038101ML□-□□□	100.0±20%	1k	0.570	0.46	0.38
SS6038151ML□-□□□	150.0±20%	1k	0.900	0.34	0.32
SS6038221ML□-□□□	220.0±20%	1k	1.250	0.29	0.27
SS6038331ML□-□□□	330.0±20%	1k	1.850	0.23	0.22
SS6038471ML□-□□□	470.0±20%	1k	2.700	0.20	0.19
SS6038681ML□-□□□	680.0±20%	1k	3.800	0.17	0.15
SS6038102ML□-□□□	1000.0±20%	1k	5.800	0.14	0.13

1. Electrical specifications at 25°C
2. Irms base on Temp. rise 40°C max.
3. Isat base on ΔL/L0A=25% max.
4. Inductance test condition 1kHz/0.5V

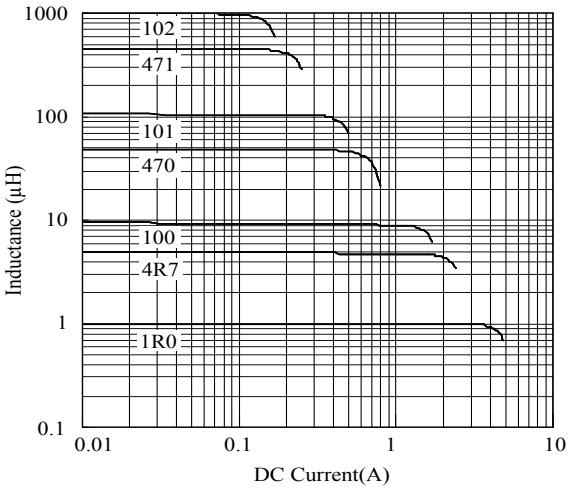
SS6028 Series

@Inductance VS DC Superposition Characteristics



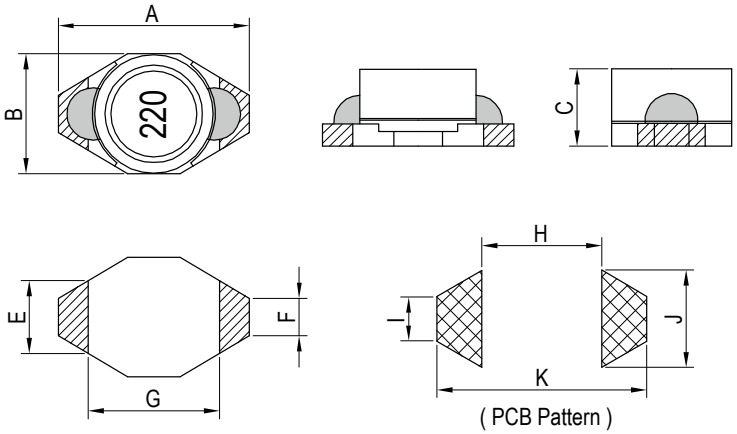
SS6038 Series

@Inductance VS DC Superposition Characteristics



SS SERIES 1608

High Inductance



Unit: mm

Series	A	B	C	E	F	G	H	I	J	K
SS1608	6.50±0.20	4.40 max.	2.90±0.15	2.50 ref.	1.24 ref.	4.45 ref.	4.10 ref.	1.60 ref.	3.00 ref.	7.00 ref.

Features

- Magnetic shielding allows high-density mounting
- Excellent current handling capability
- Operating temp.: -55°C ~ +125°C (including self-temperature rise)

compliant RoHS RoHS & HF compliant

Application

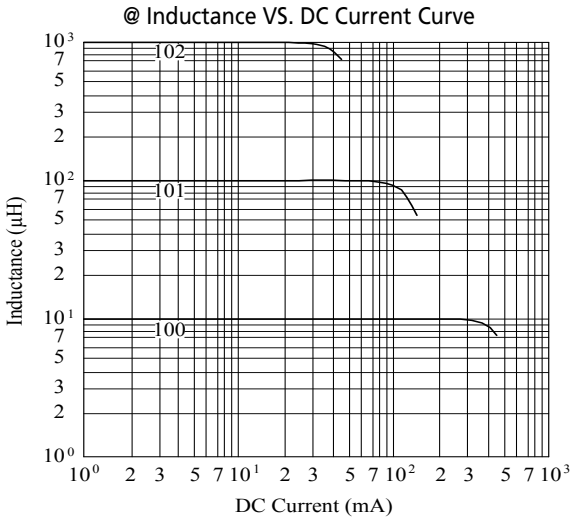
- DC-DC converters
- Buck-boost regulators

SS1608 Series								
DWG. No.	Inductance (µH)	Q min.	Test Freq. (Hz)		SRF (MHz) nom.	RDC (Ω) max.	Irms (A) max.	Isat (A) typ.
			L/0.1V	Q				
SS16081R0ML□-□□□	1.0±20%	10	100k	500k	250.0	0.040	3.00	1.200
SS16081R5ML□-□□□	1.5±20%	20	100k	500k	125.0	0.045	2.80	0.920
SS16082R2ML□-□□□	2.2±20%	25	100k	500k	120.0	0.050	1.80	0.800
SS16083R3ML□-□□□	3.3±20%	40	100k	200k	120.0	0.055	1.60	0.620
SS16084R7ML□-□□□	4.7±20%	40	100k	200k	105.0	0.060	1.40	0.500
SS16086R8ML□-□□□	6.8±20%	40	100k	200k	50.0	0.065	1.20	0.400
SS1608100ML□-□□□	10.0±20%	40	100k	200k	38.0	0.075	1.00	0.320
SS1608150ML□-□□□	15.0±20%	40	100k	100k	33.0	0.090	0.80	0.260
SS1608220ML□-□□□	22.0±20%	40	100k	100k	25.0	0.110	0.70	0.240
SS1608330ML□-□□□	33.0±20%	40	100k	100k	20.0	0.190	0.60	0.160
SS1608470ML□-□□□	47.0±20%	40	100k	100k	20.0	0.230	0.50	0.140
SS1608680ML□-□□□	68.0±20%	40	100k	100k	15.0	0.290	0.40	0.120
SS1608101ML□-□□□	100.0±20%	40	100k	100k	10.0	0.480	0.30	0.100
SS1608151ML□-□□□	150.0±20%	40	100k	100k	9.0	0.590	0.26	0.080
SS1608221ML□-□□□	220.0±20%	40	100k	100k	6.0	0.770	0.22	0.070
SS1608331ML□-□□□	330.0±20%	40	100k	100k	5.0	1.400	0.20	0.050
SS1608471ML□-□□□	470.0±20%	40	100k	100k	4.0	1.800	0.19	0.045
SS1608681ML□-□□□	680.0±20%	40	100k	100k	3.0	2.200	0.18	0.040
SS1608102ML□-□□□	1000.0±20%	40	100k	100k	2.0	3.400	0.15	0.028
SS1608152ML□-□□□	1500.0±20%	50	100k	100k	2.0	4.200	0.12	0.024
SS1608222ML□-□□□	2200.0±20%	50	100k	100k	2.0	8.500	0.10	0.020
SS1608332ML□-□□□	3300.0±20%	50	100k	100k	1.0	11.000	0.08	0.018
SS1608472ML□-□□□	4700.0±20%	50	100k	100k	1.0	13.900	0.06	0.014
SS1608682ML□-□□□	6800.0±20%	50	100k	100k	1.0	25.000	0.04	0.012
SS1608103ML□-□□□	10000.0±20%	50	100k	100k	0.8	32.800	0.02	0.010

1. Electrical specifications at 25°C
2. Irms base on Temp. rise 30°C max.
3. Isat base on ΔL/L0A=10% max.

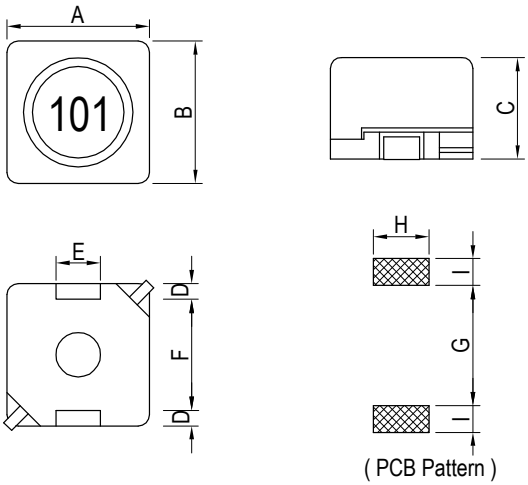
SS1608 Series

@ Inductance VS. DC Current Curve



SS SERIES 0603 / 0604

High Inductance



Unit: mm

Series	A	B	C	D	E	F	G	H	I
SS0603	6.50±0.30	6.50±0.30	3.10±0.30	1.25±0.30	1.85±0.2	4.00 typ.	3.60 ref.	2.50 ref.	1.65 ref.
SS0604	6.50±0.30	6.50±0.30	4.60±0.30	1.25±0.30	1.85±0.2	4.00 typ.	3.60 ref.	2.50 ref.	1.65 ref.

Features

- Magnetic shielding allows high-density mounting
- Excellent current handling capability
- Operating temp.: -55°C ~ +125°C (including self-temperature rise)

compliant RoHS RoHS & HF compliant

Application

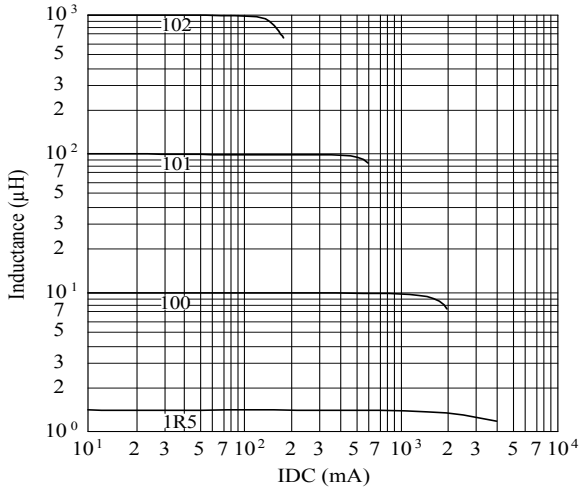
- DC-DC converters
- Buck-boost regulators

SS0603 Series				
DWG. No.	Inductance (μH)	Test Freq. (Hz)	RDC (Ω) max.	IDC (A) max.
SS06031R5ML□-□□□	1.5±20%	1k	0.032	2.20
SS06032R5ML□-□□□	2.5±20%	1k	0.040	2.00
SS06033R3ML□-□□□	3.3±20%	1k	0.055	1.80
SS06034R7ML□-□□□	4.7±20%	1k	0.070	1.60
SS06036R8ML□-□□□	6.8±20%	1k	0.100	1.20
SS0603100ML□-□□□	10.0±20%	1k	0.120	1.10
SS0603150ML□-□□□	15.0±20%	1k	0.180	0.90
SS0603220ML□-□□□	22.0±20%	1k	0.270	0.70
SS0603330KL□-□□□	33.0±10%	1k	0.430	0.60
SS0603470KL□-□□□	47.0±10%	1k	0.550	0.50
SS0603680KL□-□□□	68.0±10%	1k	0.900	0.40
SS0603101KL□-□□□	100.0±10%	1k	1.500	0.30
SS0603151KL□-□□□	150.0±10%	1k	1.900	0.25
SS0603221KL□-□□□	220.0±10%	1k	2.700	0.20
SS0603331KL□-□□□	330.0±10%	1k	4.200	0.18
SS0603471KL□-□□□	470.0±10%	1k	6.700	0.15
SS0603681KL□-□□□	680.0±10%	1k	10.500	0.12
SS0603102KL□-□□□	1000.0±10%	1k	14.000	0.10
SS0604 Series				
DWG. No.	Inductance (μH)	Test Freq. (Hz)	RDC (Ω) max.	IDC (A) max.
SS06041R5ML□-□□□	1.5±20%	1k	0.028	2.80
SS06042R5ML□-□□□	2.5±20%	1k	0.035	2.50
SS06043R3ML□-□□□	3.3±20%	1k	0.050	2.30
SS06044R7ML□-□□□	4.7±20%	1k	0.060	2.00
SS06046R8ML□-□□□	6.8±20%	1k	0.070	1.60
SS0604100ML□-□□□	10.0±20%	1k	0.120	1.30
SS0604150ML□-□□□	15.0±20%	1k	0.130	1.10
SS0604220ML□-□□□	22.0±20%	1k	0.190	0.90
SS0604330KL□-□□□	33.0±10%	1k	0.250	0.70
SS0604470KL□-□□□	47.0±10%	1k	0.360	0.60
SS0604680KL□-□□□	68.0±10%	1k	0.520	0.50
SS0604101KL□-□□□	100.0±10%	1k	0.650	0.40
SS0604151KL□-□□□	150.0±10%	1k	1.000	0.30
SS0604221KL□-□□□	220.0±10%	1k	1.700	0.25
SS0604331KL□-□□□	330.0±10%	1k	2.100	0.20
SS0604471KL□-□□□	470.0±10%	1k	3.300	0.18
SS0604681KL□-□□□	680.0±10%	1k	4.800	0.15
SS0604102KL□-□□□	1000.0±10%	1k	6.100	0.12

1. Electrical specifications at 25°C
2. IDC base on Temp. rise 40°C max. & ΔL/L0A=10% max.

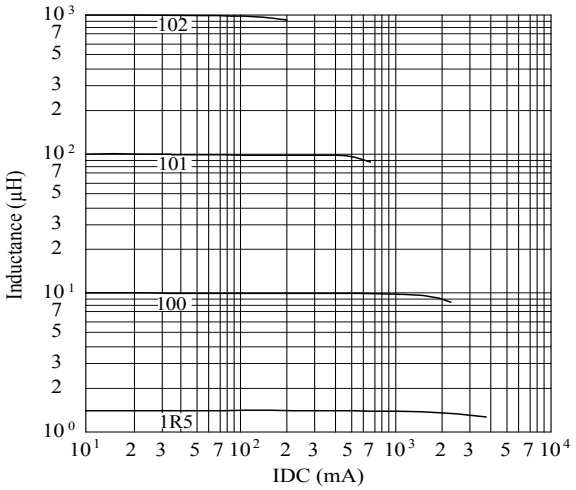
SS0603 Series

@ Inductance VS. DC Current Curve



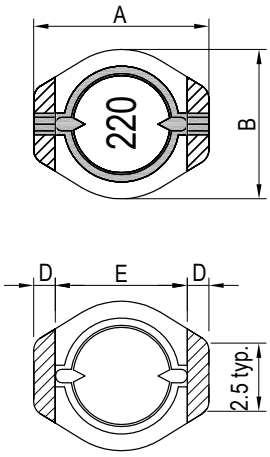
SS0604 Series

@ Inductance VS. DC Current Curve



SS SERIES 2506

High Inductance



Unit: mm

Series	A	B	C	D	E	F	G	H
SS2506	6.80 max.	5.60 max.	1.65 max.	1.05 typ.	4.40 typ.	1.40 ref.	4.00 ref.	3.50 ref.

Features

- Magnetic shielding allows high-density mounting
- Excellent current handling capability
- Operating temp.: -40°C ~ +125°C (including self-temperature rise)

compliant RoHS RoHS & HF compliant

Application

- DC-DC converters
- Buck-boost regulators

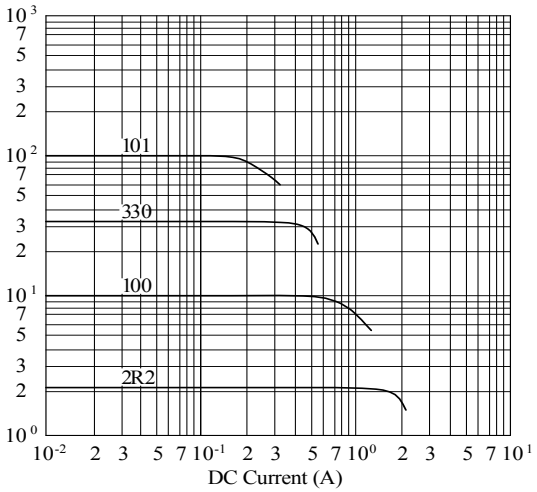
SS

SS2506 Series					
DWG. No.	Inductance (μH)	Test Freq. (Hz) / 0.1V	RDC (mΩ) max.	Irms (A) max.	Isat (A) typ.
SS25062R2YL□-□□□	2.2±30%	100k	55	1.95	1.90
SS25064R7YL□-□□□	4.7±30%	100k	85	1.50	1.45
SS25066R8YL□-□□□	6.8±30%	100k	125	1.05	1.05
SS2506100YL□-□□□	10.0±30%	100k	170	0.96	0.94
SS2506150YL□-□□□	15.0±30%	100k	265	0.70	0.70
SS2506220YL□-□□□	22.0±30%	100k	390	0.60	0.60
SS2506330YL□-□□□	33.0±30%	100k	520	0.42	0.47
SS2506470YL□-□□□	47.0±30%	100k	770	0.38	0.42
SS2506680YL□-□□□	68.0±30%	100k	1050	0.32	0.35
SS2506101YL□-□□□	100.0±30%	100k	1650	0.24	0.22

1. Electrical specifications at 25°C
2. Irms base on Temp. rise 40°C max.
3. Isat base on ΔL/L0A=25% max.

SS2506 Series

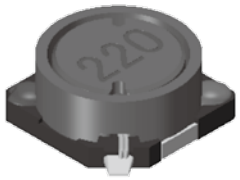
@ Inductance VS. DC Current Curve

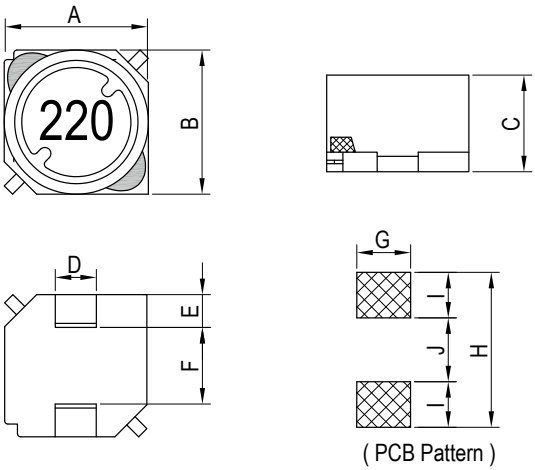


SS SERIES

7032 / 7045

High Inductance





Unit: mm

Series	A	B	C	D	E	F	G	H	I	J
SS7032	7.00±0.30	7.00±0.30	3.20±0.20	2.00 typ.	1.50 typ.	4.00 typ.	2.40 ref.	7.80 ref.	1.80 ref.	4.20 ref.
SS7045	7.00±0.30	7.00±0.30	4.50±0.30	2.00 typ.	1.50 typ.	4.00 typ.	2.40 ref.	7.80 ref.	1.80 ref.	4.20 ref.

Features

- Magnetic shielding allows high-density mounting
- Excellent current handling capability
- Operating temp.: -40°C ~ +125°C (including self-temperature rise)

compliant RoHS

RoHS & HF compliant

Application

- DC-DC converters
- Buck-boost regulators

SS

SS7032 Series							
DWG. No.	Inductance (µH)	Q ref.	Test Freq. (MHz)	SRF (MHz) typ.	RDC (Ω) max.	Irms (A)	Isat (A)
SS70323R3ML□-□□□	3.3±20%	16	7.96	55.0	0.027	2.40	2.20
SS70324R7ML□-□□□	4.7±20%	16	7.96	43.0	0.042	2.00	2.00
SS70326R8ML□-□□□	6.8±20%	17	7.96	37.0	0.054	1.60	1.80
SS7032100ML□-□□□	10.0±20%	25	2.52	35.0	0.068	1.40	1.60
SS7032150ML□-□□□	15.0±20%	22	2.52	32.0	0.095	1.10	1.20
SS7032220ML□-□□□	22.0±20%	20	2.52	29.0	0.135	0.96	1.05
SS7032330ML□-□□□	33.0±20%	23	2.52	20.0	0.200	0.76	0.86
SS7032470ML□-□□□	47.0±20%	26	2.52	18.0	0.270	0.67	0.70
SS7032680ML□-□□□	68.0±20%	22	2.52	16.0	0.380	0.60	0.67
SS7032101ML□-□□□	100.0±20%	28	0.796	12.0	0.540	0.45	0.50
SS7032151ML□-□□□	150.0±20%	35	0.796	10.0	0.800	0.37	0.38
SS7032221ML□-□□□	220.0±20%	47	0.796	7.5	1.300	0.30	0.32
SS7032331ML□-□□□	330.0±20%	46	0.796	6.1	1.900	0.22	0.24
SS7032471ML□-□□□	470.0±20%	34	0.796	5.1	2.400	0.20	0.20
SS7032681ML□-□□□	680.0±20%	58	0.796	3.8	3.750	0.16	0.15
SS7032102ML□-□□□	1000.0±20%	70	0.252	3.1	5.400	0.15	0.14

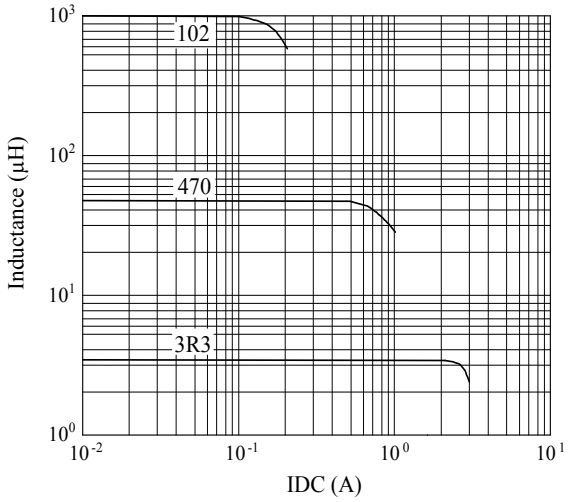
1. Electrical specifications at 25°C
2. Irms base on Temp. rise 30°C max.
3. Isat base on ΔL/L0A=10% typ.
4. Inductance test condition 1kHz/0.5V

SS7045 Series							
DWG. No.	Inductance (μH)	Q ref.	Test Freq. (MHz)	SRF (MHz) typ.	RDC (Ω) max.	Irms (A)	Isat (A)
SS70451R0MS□-□□□	1.0±20%	10.0	7.96	160.0	0.020	6.000	5.200
SS70452R2MS□-□□□	2.2±20%	10.0	7.96	95.0	0.022	4.200	4.200
SS70453R3MS□-□□□	3.3±20%	12.0	7.96	90.0	0.027	3.300	3.500
SS70453R9MS□-□□□	3.9±20%	12.0	7.96	75.0	0.030	3.200	3.400
SS70454R7MS□-□□□	4.7±20%	12.0	7.96	60.0	0.033	2.800	3.300
SS70455R6MS□-□□□	5.6±20%	12.0	7.96	50.0	0.035	2.500	3.200
SS70456R8MS□-□□□	6.8±20%	12.0	7.96	40.0	0.036	2.400	3.100
SS70458R2MS□-□□□	8.2±20%	12.0	7.96	24.0	0.041	2.000	3.000
SS7045100MS□-□□□	10.0±20%	40.0	2.52	23.0	0.048	1.900	2.700
SS7045120MS□-□□□	12.0±20%	40.0	2.52	20.0	0.054	1.800	2.400
SS7045150MS□-□□□	15.0±20%	40.0	2.52	17.0	0.062	1.500	2.200
SS7045180MS□-□□□	18.0±20%	40.0	2.52	16.0	0.070	1.400	2.100
SS7045220MS□-□□□	22.0±20%	40.0	2.52	15.0	0.082	1.300	1.900
SS7045270MS□-□□□	27.0±20%	30.0	2.52	13.5	0.100	1.150	1.800
SS7045330MS□-□□□	33.0±20%	30.0	2.52	11.0	0.115	1.000	1.600
SS7045390MS□-□□□	39.0±20%	30.0	2.52	10.5	0.130	0.950	1.500
SS7045470MS□-□□□	47.0±20%	30.0	2.52	10.0	0.160	0.900	1.400
SS7045560MS□-□□□	56.0±20%	25.0	2.52	9.0	0.180	0.800	1.300
SS7045680MS□-□□□	68.0±20%	25.0	2.52	8.5	0.210	0.750	1.200
SS7045820MS□-□□□	82.0±20%	25.0	2.52	6.5	0.270	0.650	1.100
SS7045101MS□-□□□	100.0±20%	40.0	0.796	6.0	0.300	0.600	1.000
SS7045121MS□-□□□	120.0±20%	40.0	0.796	5.5	0.380	0.550	0.900
SS7045151MS□-□□□	150.0±20%	40.0	0.796	5.0	0.460	0.500	0.800
SS7045181MS□-□□□	180.0±20%	40.0	0.796	4.7	0.600	0.450	0.660
SS7045221MS□-□□□	220.0±20%	40.0	0.796	4.5	0.690	0.400	0.640
SS7045271MS□-□□□	270.0±20%	40.0	0.796	4.0	0.600	0.300	0.620
SS7045331MS□-□□□	330.0±20%	40.0	0.796	3.8	0.730	0.270	0.600
SS7045391MS□-□□□	390.0±20%	50.0	0.796	3.6	1.000	0.250	0.540
SS7045471MS□-□□□	470.0±20%	50.0	0.796	3.2	1.100	0.230	0.500
SS7045561MS□-□□□	560.0±20%	50.0	0.796	2.9	1.340	0.210	0.450
SS7045681MS□-□□□	680.0±20%	50.0	0.796	2.5	1.600	0.200	0.400
SS7045821MS□-□□□	820.0±20%	50.0	0.796	2.4	1.850	0.180	0.370
SS7045102MS□-□□□	1000.0±20%	90.0	0.252	2.2	2.370	0.160	0.330

1. Electrical specifications at 25°C
2. Inductance test condition 1kHz/0.5V
3. Isat base on ΔL/L0A=10% typ. (1R0M~221M) (Approximately transient current)
   Isat base on ΔL/L0A=25% typ. (271M~102M) (Approximately transient current)
4. Irms base on Temp. rise 40°C typ.

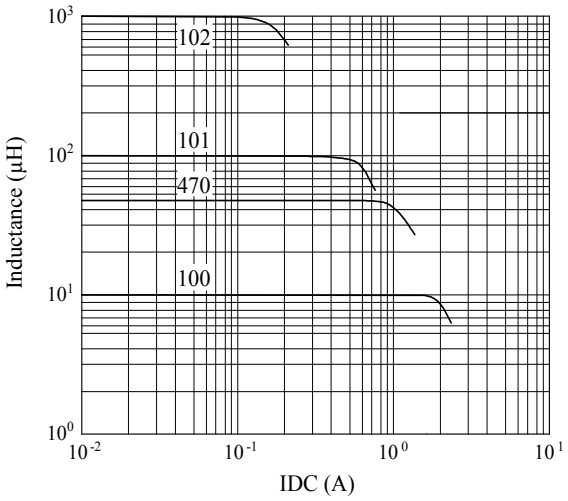
SS7032 Series

@ Inductance VS. DC Current Curve



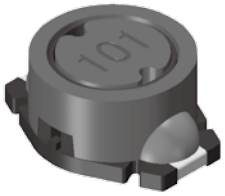
SS7045 Series

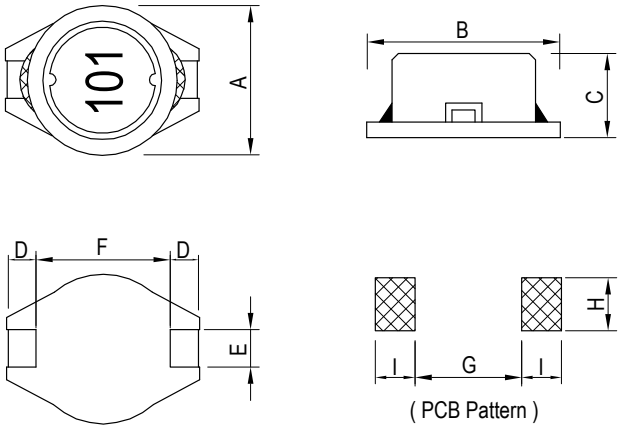
@ Inductance VS. DC Current Curve



SS SERIES 0805

High Inductance





Unit: mm

Series	A	B	C	D	E	F	G	H	I
SS0805	8.00±0.30	10.50±0.30	4.50±0.30	2.10±0.20	2.00±0.20	6.00±0.30	5.70 ref.	2.20 ref.	2.40 ref.

Features

- Magnetic shielding allows high-density mounting
- Excellent current handling capability
- Operating temp.: -40°C ~ +125°C (including self-temperature rise)

compliant RoHS RoHS & HF compliant

Application

- DC-DC converters
- Buck-boost regulators

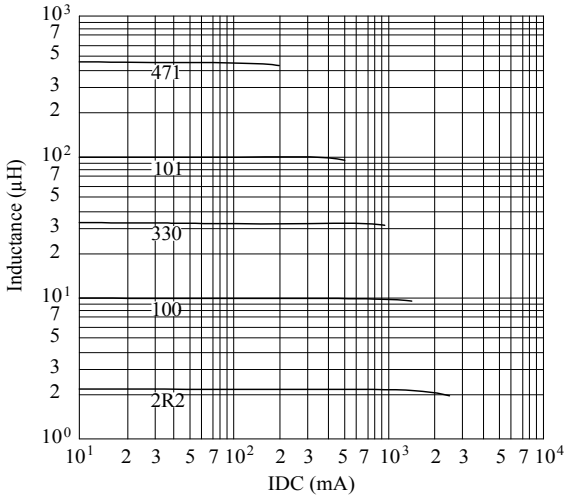
SS

SS0805 Series							
DWG. No.	Inductance (μH)	Q ref.	Test Freq. (Hz)		SRF (MHz) nom.	RDC (Ω) max.	IDC (A) max.
			L	Q			
SS08052R2MF□-□□□	2.2±20%	18	1k	7.960M	75.0	0.040	2.50
SS08053R9MF□-□□□	3.9±20%	20	1k	7.960M	50.0	0.055	2.10
SS08055R6MF□-□□□	5.6±20%	20	1k	7.960M	40.0	0.065	1.95
SS08058R2MF□-□□□	8.2±20%	19	1k	7.960M	32.0	0.080	1.75
SS0805100MF□-□□□	10.0±20%	40	1k	2.520M	28.0	0.100	1.50
SS0805120MF□-□□□	12.0±20%	40	1k	2.520M	24.0	0.120	1.40
SS0805150MF□-□□□	15.0±20%	40	1k	2.520M	22.0	0.140	1.30
SS0805180YF□-□□□	18.0±15%	40	1k	2.520M	19.0	0.160	1.20
SS0805220YF□-□□□	22.0±15%	38	1k	2.520M	17.0	0.180	1.10
SS0805270YF□-□□□	27.0±15%	35	1k	2.520M	15.5	0.200	1.00
SS0805330YF□-□□□	33.0±15%	40	1k	2.520M	13.5	0.240	0.92
SS0805390YF□-□□□	39.0±15%	35	1k	2.520M	12.0	0.260	0.84
SS0805470YF□-□□□	47.0±15%	32	1k	2.520M	10.5	0.280	0.75
SS0805560KF□-□□□	56.0±10%	30	1k	2.520M	9.5	0.380	0.68
SS0805680KF□-□□□	68.0±10%	28	1k	2.520M	9.0	0.440	0.60
SS0805820KF□-□□□	82.0±10%	28	1k	2.520M	8.5	0.550	0.54
SS0805101KF□-□□□	100.0±10%	45	1k	0.796M	7.5	0.600	0.50
SS0805121KF□-□□□	120.0±10%	42	1k	0.796M	7.0	0.750	0.45
SS0805151KF□-□□□	150.0±10%	39	1k	0.796M	6.5	0.900	0.40
SS0805181KF□-□□□	180.0±10%	41	1k	0.796M	4.8	1.050	0.35
SS0805221KF□-□□□	220.0±10%	38	1k	0.796M	4.5	1.180	0.30
SS0805271KF□-□□□	270.0±10%	37	1k	0.796M	4.2	1.400	0.27
SS0805331KF□-□□□	330.0±10%	36	1k	0.796M	3.8	1.800	0.24
SS0805471KF□-□□□	470.0±10%	34	1k	0.796M	3.5	2.250	0.20
SS0805561KF□-□□□	560.0±10%	32	1k	0.796M	3.0	3.000	0.18
SS0805681KF□-□□□	680.0±10%	32	1k	0.796M	2.8	3.400	0.17
SS0805821KF□-□□□	820.0±10%	35	1k	0.796M	2.5	4.000	0.16
SS0805102KF□-□□□	1000.0±10%	35	1k	0.252M	2.2	5.000	0.15

1. Electrical specifications at 25°C
2. IDC base on Temp. rise 40°C max. & ΔL/L0A= 10% max.

SS0805 Series

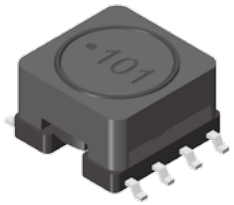
@ Inductance VS. DC Current Curve

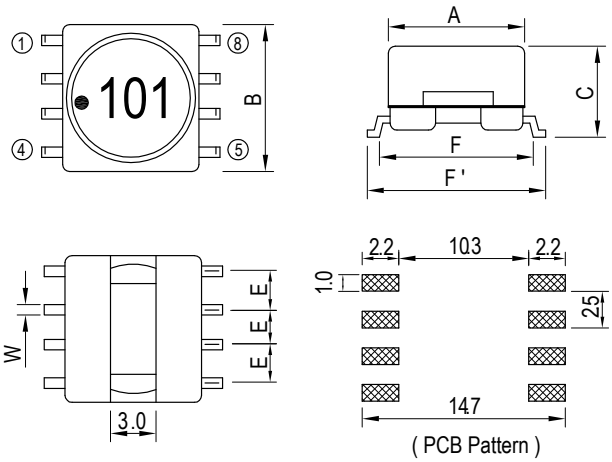


SS SERIES

0906 / 0908

High Inductance





Unit: mm

Series	A	B	C	E	F	F'	W
SS0906	9.50±0.3	10.50 max.	6.00±0.3	2.50±0.3	11.00±0.5	12.70±0.8	0.60 typ.
SS0908	9.50±0.3	10.50 max.	7.50±0.3	2.50±0.3	11.00±0.5	12.70±0.8	0.60 typ.

Features

- Magnetic shielding allows high-density mounting
- Excellent current handling capability
- Operating temp.: -40°C ~ +125°C (including self-temperature rise)

compliant RoHS

RoHS & HF compliant

Application

- DC-DC converters
- Buck-boost regulators

SS

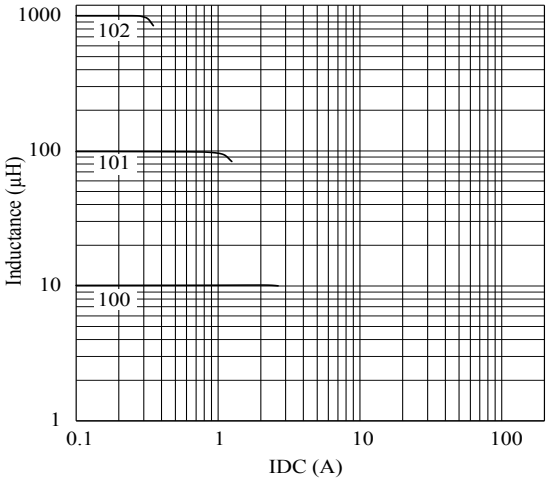
SS0906 Series							
DWG. No.	Inductance (µH)	Q ref.	Test Freq. (Hz)		SRF (MHz) nom.	RDC (Ω) max.	IDC (A) max.
			L	Q			
SS09062R7ML□-□□□	2.70±20%	23	1K	7.960M	85.0	0.032	3.20
SS09063R5ML□-□□□	3.50±20%	23	1K	7.960M	80.0	0.036	2.90
SS09064R7ML□-□□□	4.70±20%	23	1K	7.960M	70.0	0.040	2.70
SS09065R6ML□-□□□	5.60±20%	23	1K	7.960M	57.0	0.046	2.50
SS09066R8ML□-□□□	6.80±20%	23	1K	7.960M	38.0	0.050	2.30
SS09068R2ML□-□□□	8.20±20%	23	1K	7.960M	30.0	0.055	2.10
SS0906100ML□-□□□	10.00±20%	35	1K	2.520M	29.0	0.080	1.80
SS0906120ML□-□□□	12.00±20%	35	1K	2.520M	26.0	0.085	1.70
SS0906150ML□-□□□	15.00±20%	35	1K	2.520M	29.0	0.100	1.60
SS0906180ML□-□□□	18.00±20%	35	1K	2.520M	22.0	0.110	1.50
SS0906220ML□-□□□	22.00±20%	35	1K	2.520M	19.0	0.130	1.40
SS0906270ML□-□□□	27.00±20%	35	1K	2.520M	17.0	0.140	1.30
SS0906330ML□-□□□	33.00±20%	35	1K	2.520M	15.0	0.150	1.20
SS0906390ML□-□□□	39.00±20%	35	1K	2.520M	14.0	0.160	1.10
SS0906470ML□-□□□	47.00±20%	35	1K	2.520M	12.0	0.180	1.00
SS0906560ML□-□□□	56.00±20%	35	1K	2.520M	12.0	0.300	0.93
SS0906680ML□-□□□	68.00±20%	40	1K	2.520M	9.0	0.350	0.85
SS0906820ML□-□□□	82.00±20%	40	1K	2.520M	8.0	0.370	0.78
SS0906101YL□-□□□	100.00±15%	40	1K	0.796M	7.5	0.420	0.70
SS0906121YL□-□□□	120.00±15%	40	1K	0.796M	7.0	0.480	0.65
SS0906151YL□-□□□	150.00±15%	40	1K	0.796M	6.0	0.550	0.60
SS0906181YL□-□□□	180.00±15%	40	1K	0.796M	5.5	0.820	0.52
SS0906221YL□-□□□	220.00±15%	40	1K	0.796M	5.0	1.000	0.48
SS0906271YL□-□□□	270.00±15%	40	1K	0.796M	5.0	1.100	0.44
SS0906331YL□-□□□	330.00±15%	40	1K	0.796M	4.5	1.300	0.40
SS0906391YL□-□□□	390.00±15%	40	1K	0.796M	4.2	1.400	0.38
SS0906471YL□-□□□	470.00±15%	40	1K	0.796M	4.0	1.600	0.35
SS0906561YL□-□□□	560.00±15%	60	1K	0.796M	3.2	2.700	0.28
SS0906681YL□-□□□	680.00±15%	60	1K	0.796M	2.7	3.200	0.25
SS0906821YL□-□□□	820.00±15%	85	1K	0.796M	2.6	3.500	0.23
SS0906102YL□-□□□	1000.00±15%	100	1K	0.252M	2.3	4.000	0.22
SS0906122YL□-□□□	1200.00±15%	100	1K	0.252M	2.3	4.400	0.20
SS0906152YL□-□□□	1500.00±15%	100	1K	0.252M	2.0	5.200	0.18
SS0906182YL□-□□□	1800.00±15%	100	1K	0.252M	1.7	7.000	0.17
SS0906222YL□-□□□	2200.00±15%	100	1K	0.252M	1.5	8.500	0.16
SS0906272YL□-□□□	2700.00±15%	100	1K	0.252M	1.4	9.200	0.14
SS0906332YL□-□□□	3300.00±15%	100	1K	0.252M	1.3	11.000	0.12
SS0906392YL□-□□□	3900.00±15%	100	1K	0.252M	1.2	16.000	0.11
SS0906472YL□-□□□	4700.00±15%	100	1K	0.252M	1.0	19.000	0.10
SS0906562YL□-□□□	5600.00±15%	100	1K	0.252M	0.9	21.000	0.09
SS0906682YL□-□□□	6800.00±15%	100	1K	0.252M	0.9	24.000	0.09
SS0906822YL□-□□□	8200.00±15%	100	1K	0.252M	0.8	31.000	0.08
SS0906103YL□-□□□	10000.00±15%	100	1K	79.60K	0.7	38.000	0.07

SS0908 Series							
DWG. No.	Inductance (µH)	Q nom.	Test Freq. (Hz)		SRF (MHz) nom.	RDC (Ω) max.	IDC (mA) max.
			L	Q			
SS09081R5ML□-□□□	1.50±20%	20	1k	7.960M	65.00	0.014	5600
SS09082R7ML□-□□□	2.70±20%	20	1k	7.960M	50.00	0.019	4800
SS09083R9ML□-□□□	3.90±20%	20	1k	7.960M	35.00	0.021	4400
SS09085R6ML□-□□□	5.60±20%	18	1k	7.960M	25.00	0.027	3800
SS09087R5ML□-□□□	7.50±20%	18	1k	7.960M	15.00	0.032	3400
SS0908100ML□-□□□	10.00±20%	33	1k	2.520M	11.00	0.040	3000
SS0908120ML□-□□□	12.00±20%	40	1k	2.520M	11.00	0.050	2500
SS0908150ML□-□□□	15.00±20%	45	1k	2.520M	8.50	0.065	2200
SS0908180ML□-□□□	18.00±20%	40	1k	2.520M	8.50	0.075	2000
SS0908220ML□-□□□	22.00±20%	35	1k	2.520M	6.00	0.080	1900
SS0908270ML□-□□□	27.00±20%	45	1k	2.520M	6.00	0.090	1800
SS0908330ML□-□□□	33.00±20%	40	1k	2.520M	5.00	0.100	1700
SS0908390ML□-□□□	39.00±20%	45	1k	2.520M	5.00	0.135	1500
SS0908470ML□-□□□	47.00±20%	40	1k	2.520M	4.00	0.150	1400
SS0908560ML□-□□□	56.00±20%	35	1k	2.520M	3.00	0.165	1350
SS0908680ML□-□□□	68.00±20%	30	1k	2.520M	2.50	0.184	1250
SS0908820ML□-□□□	82.00±20%	30	1k	2.520M	2.40	0.260	1050
SS0908101YL□-□□□	100.00±15%	40	1k	0.796M	6.00	0.280	1000
SS0908121YL□-□□□	120.00±15%	42	1k	0.796M	5.70	0.340	900
SS0908151YL□-□□□	150.00±15%	45	1k	0.796M	4.60	0.450	800
SS0908181YL□-□□□	180.00±15%	35	1k	0.796M	4.20	0.500	700
SS0908221YL□-□□□	220.00±15%	35	1k	0.796M	3.80	0.600	650
SS0908271YL□-□□□	270.00±15%	30	1k	0.796M	3.40	0.700	600
SS0908331YL□-□□□	330.00±15%	30	1k	0.796M	3.00	0.800	550
SS0908391YL□-□□□	390.00±15%	33	1k	0.796M	2.60	1.000	500
SS0908471YL□-□□□	470.00±15%	30	1k	0.796M	2.30	1.150	450
SS0908561YL□-□□□	560.00±15%	35	1k	0.796M	2.20	1.500	380
SS0908681YL□-□□□	680.00±15%	30	1k	0.796M	2.00	1.700	350
SS0908821YL□-□□□	820.00±15%	35	1k	0.796M	1.90	2.200	320
SS0908102YL□-□□□	1000.00±15%	85	1k	0.252M	1.80	2.500	300
SS0908152YL□-□□□	1500.00±15%	120	1k	0.252M	1.30	4.000	250
SS0908222YL□-□□□	2200.00±15%	95	1k	0.252M	1.00	5.000	200
SS0908332YL□-□□□	3300.00±15%	95	1k	0.252M	0.90	8.000	150
SS0908472YL□-□□□	4700.00±15%	90	1k	0.252M	0.80	12.000	120
SS0908682YL□-□□□	6800.00±15%	90	1k	0.252M	0.60	16.500	100
SS0908822YL□-□□□	8200.00±15%	85	1k	0.252M	0.50	24.000	97
SS0908103YL□-□□□	10000.00±15%	110	1k	79.60k	0.50	26.000	95
SS0908153YL□-□□□	15000.00±15%	130	1k	79.60k	0.40	40.000	75

1. Electrical specifications at 25°C
2. IDC base on Temp. rise 40°C max. & ΔL/L0A= 10% max.

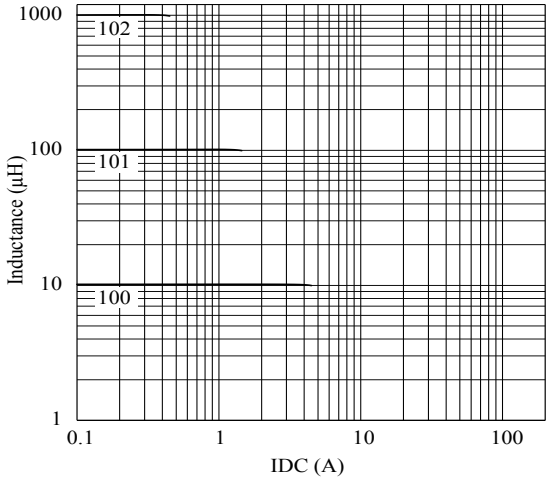
SS0906 Series

@ Inductance VS. DC Current Curve



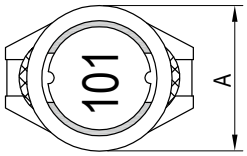
SS0908 Series

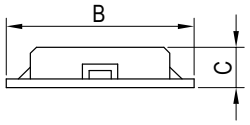
@ Inductance VS. DC Current Curve

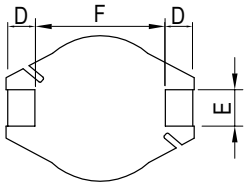


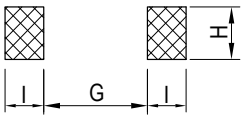
SS SERIES 1005 / 1003

High Inductance









(PCB Pattern)

Unit: mm

Series	A	B	C	D	E	F	G	H	I
SS1005	10.00±0.3	12.70±0.3	4.90±0.3	2.40±0.2	2.20±0.2	7.60±0.3	7.30 ref.	2.80 ref.	3.00 ref.
SS1003	10.10±0.3	12.70±0.3	2.70±0.3	2.40±0.2	2.20 ref.	7.60±0.3	7.30 ref.	2.80 ref.	3.00 ref.

Features

- Magnetic shielding allows high-density mounting
- Excellent current handling capability
- Operating temp.: -40°C ~ +125°C (including self-temperature rise)

compliant RoHS

RoHS & HF compliant

Application

- DC-DC converters
- Buck-boost regulators

SS

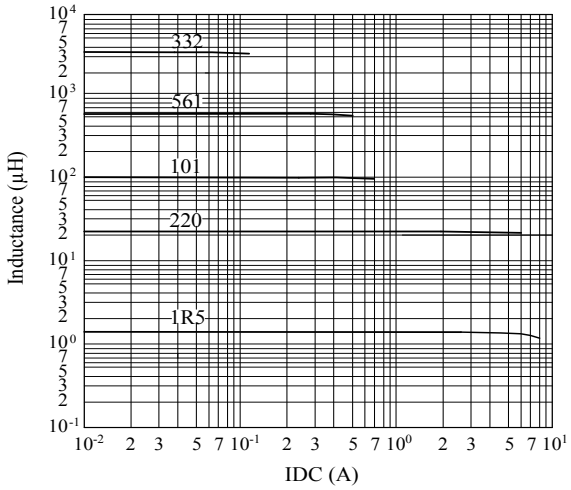
SS1005 Series								
DWG. No.	Inductance (μH)	Q ref.	Test Freq. (Hz)		SRF (MHz) nom.	RDC (Ω) max.	Isat (A) typ.	Irms (A) typ.
			L	Q				
SS10051R0ML□-□□□	1.0±20%	25	1k	7.960M	120.0	0.017	11.00	5.80
SS10051R5ML□-□□□	1.5±20%	25	1k	7.960M	100.0	0.020	9.00	5.30
SS10052R2ML□-□□□	2.2±20%	25	1k	7.960M	90.0	0.027	7.70	4.70
SS10053R0ML□-□□□	3.0±20%	25	1k	7.960M	80.0	0.030	6.80	4.20
SS10054R7ML□-□□□	4.7±20%	25	1k	7.960M	50.0	0.040	5.40	3.40
SS10057R0ML□-□□□	7.0±20%	22	1k	7.960M	32.0	0.055	4.40	2.80
SS1005100ML□-□□□	10.0±20%	48	1k	2.520M	30.0	0.065	3.70	2.70
SS1005120ML□-□□□	12.0±20%	45	1k	2.520M	25.0	0.080	3.30	2.60
SS1005150ML□-□□□	15.0±20%	40	1k	2.520M	20.0	0.085	3.00	2.30
SS1005180YL□-□□□	18.0±15%	35	1k	2.520M	19.0	0.090	2.80	2.20
SS1005220YL□-□□□	22.0±15%	42	1k	2.520M	18.0	0.100	2.60	2.00
SS1005270YL□-□□□	27.0±15%	40	1k	2.520M	17.0	0.120	2.40	1.90
SS1005330YL□-□□□	33.0±15%	40	1k	2.520M	15.0	0.160	2.10	1.60
SS1005390YL□-□□□	39.0±15%	40	1k	2.520M	13.0	0.180	1.90	1.50
SS1005470YL□-□□□	47.0±15%	35	1k	2.520M	12.0	0.190	1.80	1.43
SS1005560YL□-□□□	56.0±15%	35	1k	2.520M	11.0	0.210	1.60	1.40
SS1005680YL□-□□□	68.0±15%	35	1k	2.520M	9.0	0.340	1.40	1.10
SS1005820YL□-□□□	82.0±15%	35	1k	2.520M	8.0	0.380	1.30	1.00
SS1005101KL□-□□□	100.0±10%	35	1k	0.796M	7.5	0.420	1.20	0.90
SS1005121KL□-□□□	120.0±10%	30	1k	0.796M	7.2	0.460	1.10	0.85
SS1005151KL□-□□□	150.0±10%	28	1k	0.796M	6.2	0.520	1.00	0.78
SS1005181KL□-□□□	180.0±10%	28	1k	0.796M	5.8	0.700	0.90	0.70
SS1005221KL□-□□□	220.0±10%	30	1k	0.796M	5.2	0.800	0.80	0.65
SS1005271KL□-□□□	270.0±10%	30	1k	0.796M	4.8	1.100	0.70	0.54
SS1005331KL□-□□□	330.0±10%	30	1k	0.796M	4.5	1.200	0.65	0.50
SS1005391KL□-□□□	390.0±10%	25	1k	0.796M	4.2	1.400	0.60	0.48
SS1005471KL□-□□□	470.0±10%	40	1k	0.796M	3.0	1.600	0.55	0.44
SS1005561KL□-□□□	560.0±10%	40	1k	0.796M	2.7	1.800	0.50	0.42
SS1005681KL□-□□□	680.0±10%	37	1k	0.796M	2.6	2.300	0.47	0.36
SS1005821KL□-□□□	820.0±10%	37	1k	0.796M	2.5	2.600	0.42	0.34
SS1005102KL□-□□□	1000.0±10%	65	1k	0.252M	2.0	3.200	0.38	0.30
SS1005122KL□-□□□	1200.0±10%	58	1k	0.252M	2.0	3.600	0.35	0.28
SS1005152KL□-□□□	1500.0±10%	53	1k	0.252M	1.6	5.200	0.30	0.24
SS1005182KL□-□□□	1800.0±10%	65	1k	0.252M	1.4	5.700	0.28	0.22
SS1005222KL□-□□□	2200.0±10%	55	1k	0.252M	1.4	6.500	0.26	0.21
SS1005272KL□-□□□	2700.0±10%	55	1k	0.252M	1.2	8.600	0.23	0.19
SS1005332KL□-□□□	3300.0±10%	50	1k	0.252M	1.2	10.000	0.21	0.18

SS1003 Series							
DWG. No.	Inductance (µH)	Q ref.	Test Freq. (Hz)		RDC (Ω) max.	Irms (A) max.	Isat (A) max.
			L	Q			
SS10031R8ML□-□□□	1.8±20%	10	1k	7.960M	0.038	3.00	3.60
SS10032R2ML□-□□□	2.2±20%	11	1k	7.960M	0.045	2.76	3.40
SS10033R0ML□-□□□	3.0±20%	11	1k	7.960M	0.062	2.20	2.60
SS10033R9ML□-□□□	3.9±20%	10	1k	7.960M	0.070	2.10	2.40
SS10034R7ML□-□□□	4.7±20%	10	1k	7.960M	0.078	1.90	2.30
SS10037R5ML□-□□□	7.5±20%	10	1k	7.960M	0.100	1.44	1.70
SS1003100ML□-□□□	10.0±20%	18	1k	2.520M	0.145	1.24	1.50
SS1003120ML□-□□□	12.0±20%	20	1k	2.520M	0.185	1.10	1.30
SS1003150ML□-□□□	15.0±20%	20	1k	2.520M	0.200	1.02	1.20
SS1003180ML□-□□□	18.0±20%	20	1k	2.520M	0.270	0.90	1.10
SS1003220ML□-□□□	22.0±20%	17	1k	2.520M	0.300	0.80	1.00
SS1003270ML□-□□□	27.0±20%	17	1k	2.520M	0.400	0.75	0.90
SS1003330ML□-□□□	33.0±20%	17	1k	2.520M	0.450	0.70	0.85
SS1003390ML□-□□□	39.0±20%	18	1k	2.520M	0.560	0.65	0.80
SS1003470ML□-□□□	47.0±20%	18	1k	2.520M	0.650	0.60	0.72
SS1003560ML□-□□□	56.0±20%	15	1k	2.520M	0.680	0.52	0.65
SS1003680ML□-□□□	68.0±20%	15	1k	2.520M	0.800	0.48	0.58
SS1003820ML□-□□□	82.0±20%	20	1k	2.520M	1.200	0.42	0.52
SS1003101ML□-□□□	100.0±20%	23	1k	0.796M	1.400	0.40	0.48
SS1003121ML□-□□□	120.0±20%	22	1k	0.796M	1.520	0.35	0.44
SS1003151ML□-□□□	150.0±20%	23	1k	0.796M	1.800	0.32	0.40
SS1003181ML□-□□□	180.0±20%	20	1k	0.796M	2.200	0.28	0.35
SS1003221ML□-□□□	220.0±20%	20	1k	0.796M	2.200	0.26	0.32
SS1003271YL□-□□□	270.0±15%	26	1k	0.796M	3.100	0.22	0.28
SS1003331YL□-□□□	330.0±15%	26	1k	0.796M	3.600	0.20	0.26
SS1003391YL□-□□□	390.0±15%	28	1k	0.796M	4.600	0.18	0.22
SS1003471YL□-□□□	470.0±15%	28	1k	0.796M	5.100	0.16	0.20

1. Electrical specifications at 25°C
2. Irms base on Temp. rise 40°C max.
3. Isat base on ΔL/L0A=10% max.

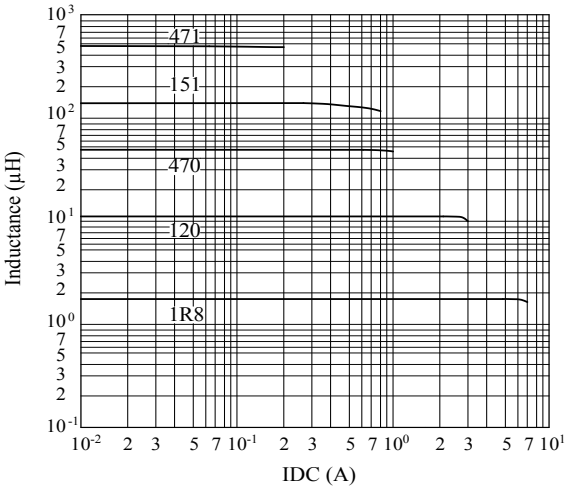
SS1005 Series

@ Inductance VS. DC Current Curve



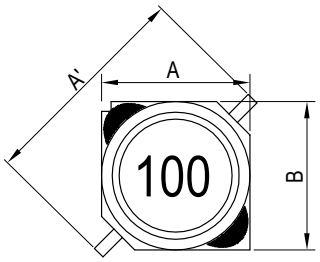
SS1003 Series

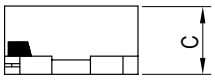
@ Inductance VS. DC Current Curve

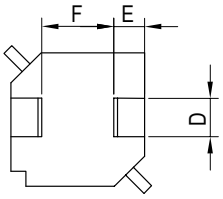


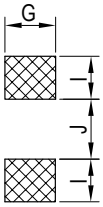
SS SERIES 1045

High Inductance









(PCB Pattern)

Unit: mm

Series	A	A'	B	C	D	E	F	G	I	J
SS1045	10.10 ±0.3	14.50 ±0.5	10.10 ±0.3	4.50 ±0.3	3.00 typ.	2.15 typ.	5.80 typ.	3.20 ref.	2.50 ref.	5.60 ref.

Features

- Magnetic shielding allows high-density mounting
- Excellent current handling capability
- Operating temp.: -40°C ~ +125°C (including self-temperature rise)

compliant RoHS

RoHS & HF compliant

Application

- DC-DC converters
- Buck-boost regulators

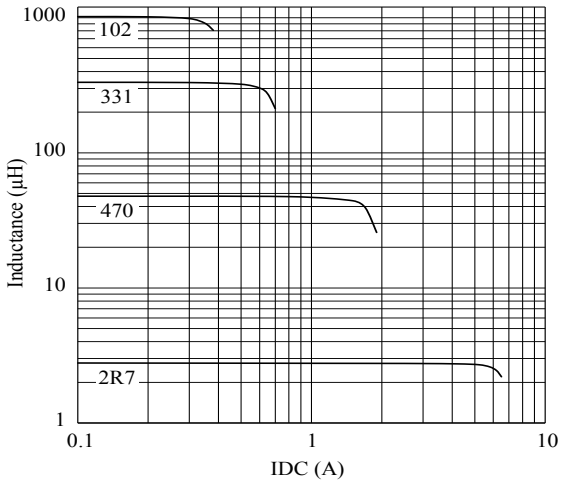
SS

SS1045 Series					
DWG. No.	Inductance (μH)	Test Freq. (MHz)	RDC (Ω) ±20%	Isat (A) typ.	Irms (A) typ.
SS10452R7YL□-□□□	2.7±30%	1k	0.0161	4.90	3.70
SS10454R7YL□-□□□	4.7±30%	1k	0.0220	3.80	3.20
SS1045100ML□-□□□	10.0±20%	1k	0.0364	3.00	2.50
SS1045150ML□-□□□	15.0±20%	1k	0.0472	2.40	2.20
SS1045220ML□-□□□	22.0±20%	1k	0.0591	2.10	1.90
SS1045330ML□-□□□	33.0±20%	1k	0.0815	1.60	1.70
SS1045470ML□-□□□	47.0±20%	1k	0.1100	1.40	1.50
SS1045680ML□-□□□	68.0±20%	1k	0.1400	1.20	1.30
SS1045101ML□-□□□	100.0±20%	1k	0.2300	1.00	1.10
SS1045151ML□-□□□	150.0±20%	1k	0.3500	0.79	0.81
SS1045221ML□-□□□	220.0±20%	1k	0.4900	0.65	0.70
SS1045331ML□-□□□	330.0±20%	1k	0.7400	0.54	0.58
SS1045471ML□-□□□	470.0±20%	1k	1.0800	0.40	0.47
SS1045681ML□-□□□	680.0±20%	1k	1.6000	0.35	0.38
SS1045102ML□-□□□	1000.0±20%	1k	2.4000	0.32	0.29
SS1045152ML□-□□□	1500.0±20%	1k	3.4000	0.22	0.26

1. Electrical specifications at 25°C
2. Inductance Test Condition.: 1kHz / 0.5V
3. Irms base on Temp. rise 30°C typ.
4. Isat base on ΔL/L0A=10% typ.

SS1045 Series

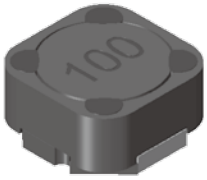
@ Inductance VS. DC Current Curve

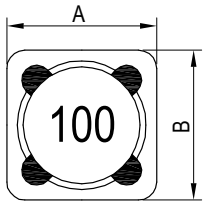


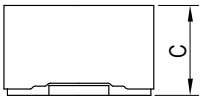
SS SERIES

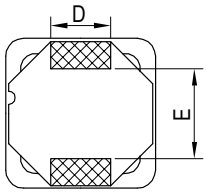
1258 / 1278 / 1210

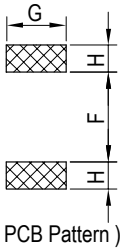
High Inductance











(PCB Pattern)

Unit: mm

Series	A	B	C	D	E	F	G	H
SS1258	12.00±0.30	12.00±0.30	6.00±0.20	5.00 typ.	5.70 typ.	4.50 ref.	5.50 ref.	4.00 ref.
SS1278	12.00±0.30	12.00±0.30	8.00 max.	5.00 typ.	5.70 typ.	4.50 ref.	5.50 ref.	4.00 ref.
SS1210	12.00±0.50	12.00±0.50	10.00 max.	7.90 ref.	4.90 ref.	7.30 ref.	5.30 ref.	2.80 ref.

Features

- Magnetic shielding allows high-density mounting
- Excellent current handling capability
- Operating temp.: -40°C ~ +125°C (including self-temperature rise)

compliant RoHS

RoHS & HF compliant

Application

- DC-DC converters
- Buck-boost regulators

SS

SS1258 Series							
DWG. No.	Inductance (µH)	Q ref.	Test Freq. (MHz)	SRF (MHz) typ.	RDC (mΩ) max.	Irms (A) typ.	Isat (A) max.
SS12581R0YF□-□□□	1.0±35%	26	7.96	100.0	10	8.00	15.00
SS12581R8YF□-□□□	1.8±35%	24	7.96	80.0	13	7.50	14.00
SS12582R2YF□-□□□	2.2±35%	22	7.96	55.0	14	7.00	11.40
SS12583R3YF□-□□□	3.3±35%	20	7.96	42.0	16	7.00	9.70
SS12584R7YF□-□□□	4.7±35%	19	7.96	33.0	20	7.00	8.00
SS12585R6YF□-□□□	5.6±35%	19	7.96	30.0	22	6.40	7.50
SS12586R8YF□-□□□	6.8±35%	20	7.96	27.0	23	5.90	6.70
SS12588R2YF□-□□□	8.2±35%	18	7.96	26.0	25	4.80	6.00
SS1258100MF□-□□□	10.0±20%	32	2.52	22.0	28	4.00	5.50
SS1258120MF□-□□□	12.0±20%	27	2.52	20.0	32	3.70	5.10
SS1258150MF□-□□□	15.0±20%	25	2.52	18.0	40	3.50	4.60
SS1258180MF□-□□□	18.0±20%	28	2.52	16.0	45	3.30	4.10
SS1258220MF□-□□□	22.0±20%	29	2.52	15.0	52	3.10	3.70
SS1258270MF□-□□□	27.0±20%	26	2.52	13.0	65	2.90	3.20
SS1258330MF□-□□□	33.0±20%	27	2.52	12.4	75	2.70	3.00
SS1258390MF□-□□□	39.0±20%	22	2.52	12.0	80	2.60	2.80
SS1258470MF□-□□□	47.0±20%	22	2.52	11.6	100	2.50	2.60
SS1258560MF□-□□□	56.0±20%	24	2.52	10.5	120	2.40	2.50
SS1258680MF□-□□□	68.0±20%	22	2.52	10.0	130	2.30	2.30
SS1258820MF□-□□□	82.0±20%	25	2.52	8.6	160	2.20	2.00
SS1258101MF□-□□□	100.0±20%	26	0.796	7.8	190	2.10	1.80
SS1258121KF□-□□□	120.0±10%	26	0.796	6.8	250	1.85	1.65
SS1258151KF□-□□□	150.0±10%	20	0.796	6.4	280	1.66	1.55
SS1258181KF□-□□□	180.0±10%	26	0.796	6.1	320	1.58	1.30
SS1258221KF□-□□□	220.0±10%	22	0.796	5.5	420	1.35	1.20
SS1258271KF□-□□□	270.0±10%	20	0.796	4.3	480	1.30	1.10
SS1258331KF□-□□□	330.0±10%	22	0.796	4.0	630	1.16	1.00
SS1258391KF□-□□□	390.0±10%	20	0.796	3.6	700	1.08	0.95
SS1258471KF□-□□□	470.0±10%	18	0.796	3.0	900	0.96	0.85
SS1258561KF□-□□□	560.0±10%	22	0.796	2.8	1000	0.88	0.80
SS1258681KF□-□□□	680.0±10%	18	0.796	2.6	1200	0.80	0.75
SS1258821KF□-□□□	820.0±10%	20	0.796	2.5	1600	0.73	0.68
SS1258102KF□-□□□	1000.0±10%	30	0.252	2.4	1850	0.68	0.60

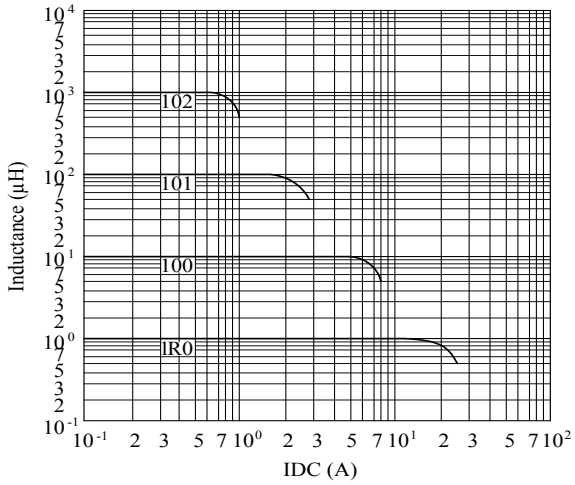
SS1278 Series					
DWG. No.	Inductance (μH)	SRF (MHz) typ.	RDC (mΩ) max.	Irms (A) typ.	Isat (A) max.
SS12781R4MF□-□□□	1.4±20%	80.0	11	10.00	18.00
SS12784R7MF□-□□□	4.7±20%	30.0	20	6.20	11.00
SS12786R0MF□-□□□	6.0±20%	21.0	24	6.00	10.00
SS12788R2MF□-□□□	8.2±20%	20.0	28	5.90	8.50
SS1278100MF□-□□□	10.0±20%	17.0	30	5.70	8.00
SS1278120MF□-□□□	12.0±20%	15.0	32	5.20	7.50
SS1278150MF□-□□□	15.0±20%	13.0	38	4.90	6.80
SS1278180MF□-□□□	18.0±20%	12.0	43	4.50	6.30
SS1278220MF□-□□□	22.0±20%	11.0	50	4.00	5.70
SS1278270MF□-□□□	27.0±20%	10.0	60	3.60	5.00
SS1278330MF□-□□□	33.0±20%	9.5	80	3.10	4.70
SS1278390MF□-□□□	39.0±20%	8.5	85	3.00	4.60
SS1278470MF□-□□□	47.0±20%	7.5	100	2.90	3.80
SS1278560MF□-□□□	56.0±20%	7.0	110	2.70	3.50
SS1278680MF□-□□□	68.0±20%	6.5	120	2.60	3.20
SS1278820MF□-□□□	82.0±20%	5.0	150	2.30	3.00
SS1278101MF□-□□□	100.0±20%	4.5	180	2.00	2.60
SS1278121KF□-□□□	120.0±10%	4.3	230	1.90	2.50
SS1278151KF□-□□□	150.0±10%	4.1	270	1.80	2.20
SS1278181KF□-□□□	180.0±10%	4.0	300	1.70	2.00
SS1278221KF□-□□□	220.0±10%	3.4	400	1.60	1.80
SS1278271KF□-□□□	270.0±10%	3.1	530	1.20	1.60
SS1278331KF□-□□□	330.0±10%	2.9	600	1.00	1.50
SS1278391KF□-□□□	390.0±10%	2.7	680	1.00	1.30
SS1278471KF□-□□□	470.0±10%	2.2	880	0.90	1.20
SS1278561KF□-□□□	560.0±10%	2.0	960	0.80	1.10
SS1278681KF□-□□□	680.0±10%	1.7	1300	0.75	1.00
SS1278821KF□-□□□	820.0±10%	1.4	1500	0.70	0.95
SS1278102KF□-□□□	1000.0±10%	1.3	1700	0.68	0.85

SS1210 Series							
DWG. No.	Inductance (μH)	Q ref.	Test Freq. (MHz)	SRF (MHz) typ.	RDC (mΩ) max.	Irms (A) typ.	Isat (A) max.
SS12101R0YFB-□□□	1.0±30%	10	7.96	85.00	6.0	11.00	16.50
SS12101R8YFB-□□□	1.8±30%	10	7.96	56.00	7.5	10.20	13.20
SS12102R2YFB-□□□	2.2±30%	10	7.96	54.00	9.0	9.50	12.20
SS12103R3YFB-□□□	3.3±30%	15	7.96	44.00	10.0	9.00	10.50
SS12104R7YFB-□□□	4.7±30%	8	7.96	35.00	12.0	8.50	9.60
SS12105R6YFB-□□□	5.6±30%	12	7.96	28.00	13.5	8.00	8.50
SS12106R8YFB-□□□	6.8±30%	12	7.96	20.00	15.0	7.85	8.30
SS12108R2YFB-□□□	8.2±30%	11	7.96	16.00	17.0	7.25	7.55
SS1210100MFB-□□□	10.0±20%	16	2.52	12.00	18.0	6.50	6.50
SS1210120MFB-□□□	12.0±20%	14	2.52	18.00	22.0	6.30	6.10
SS1210150MFB-□□□	15.0±20%	16	2.52	10.50	32.0	5.80	5.30
SS1210180MFB-□□□	18.0±20%	13	2.52	8.00	35.0	5.50	5.10
SS1210220MFB-□□□	22.0±20%	16	2.52	8.00	38.0	5.20	4.50
SS1210270MFB-□□□	27.0±20%	16	2.52	6.50	40.0	5.00	4.20
SS1210330MFB-□□□	33.0±20%	16	2.52	6.50	52.0	4.40	3.70
SS1210390MFB-□□□	39.0±20%	16	2.52	4.50	66.0	4.20	3.50
SS1210470MFB-□□□	47.0±20%	16	2.52	4.50	72.0	3.80	3.10
SS1210560MFB-□□□	56.0±20%	8	2.52	4.00	90.0	3.40	2.90
SS1210680MFB-□□□	68.0±20%	12	2.52	3.80	102.0	3.00	2.70
SS1210820MFB-□□□	82.0±20%	15	2.52	3.50	112.0	2.80	2.50
SS1210101MFB-□□□	100.0±20%	16	0.796	3.00	135.0	2.50	2.20
SS1210121MFB-□□□	120.0±20%	13	0.796	2.60	170.0	2.30	1.90
SS1210151MFB-□□□	150.0±20%	12	0.796	2.20	190.0	2.20	1.80
SS1210181MFB-□□□	180.0±20%	14	0.796	1.80	250.0	1.90	1.60
SS1210221MFB-□□□	220.0±20%	15	0.796	1.80	315.0	1.70	1.50
SS1210271MFB-□□□	270.0±20%	16	0.796	1.80	410.0	1.50	1.30
SS1210331MFB-□□□	330.0±20%	14	0.796	1.80	450.0	1.40	1.20
SS1210391MFB-□□□	390.0±20%	16	0.796	1.30	600.0	1.30	1.10
SS1210471MFB-□□□	470.0±20%	12	0.796	0.85	820.0	1.20	1.00
SS1210561MFB-□□□	560.0±20%	12	0.796	0.85	900.0	1.10	0.95
SS1210681MFB-□□□	680.0±20%	11	0.796	0.85	1200.0	1.00	0.85
SS1210821MFB-□□□	820.0±20%	6	0.796	0.85	1320.0	0.85	0.75
SS1210102MFB-□□□	1000.0±20%	22	0.796	0.85	1650.0	0.75	0.70

1. Electrical specifications at 25°C
2. Inductance Test Condition.: 1kHz / 0.25V
3. Irms base on Temp. rise 40°C typ.
4. Isat base on ΔL/L0A=20% max.

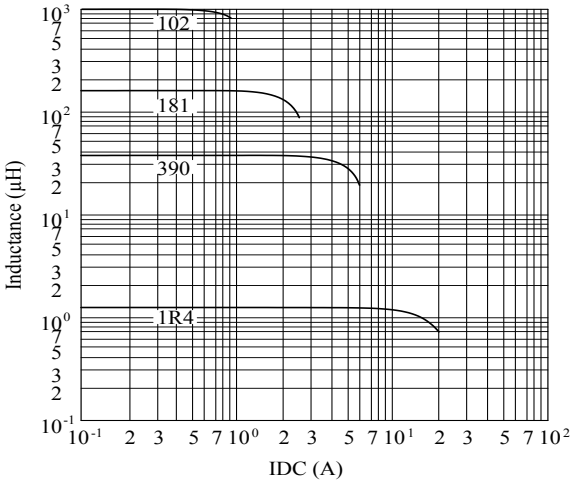
SS1258 Series

@ Inductance VS. DC Current Curve



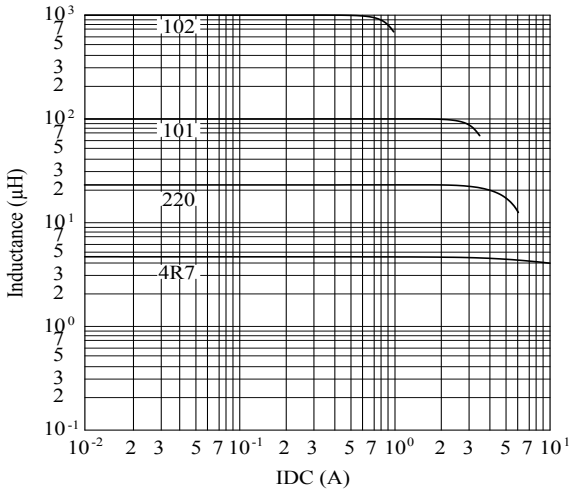
SS1278 Series

@ Inductance VS. DC Current Curve



SS1210 Series

@ Inductance VS. DC Current Curve

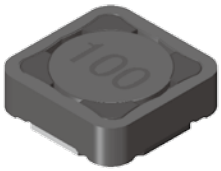


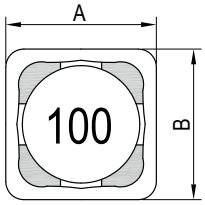
SS

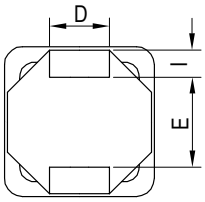
SS SERIES

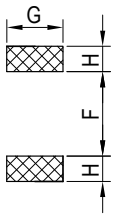
1240 / 1260 / 1280

High Inductance









(PCB Pattern)

Unit: mm

Series	A	B	C	D	E	F	G	H	I
SS1240	12.50±0.30	12.50±0.30	4.00±0.50	5.00±0.30	7.00 typ.	6.80 ref.	5.40 ref.	2.90 ref.	2.50±0.15
SS1260	12.50±0.30	12.50±0.30	6.00±0.50	5.00±0.30	7.00 typ.	6.80 ref.	5.40 ref.	2.90 ref.	2.50±0.15
SS1280	12.50±0.30	12.50±0.30	7.50±0.50	5.00±0.30	7.00 typ.	6.80 ref.	5.40 ref.	2.90 ref.	2.50±0.15

Features

- Magnetic shielding allows high-density mounting
- Excellent current handling capability
- Operating temp.: -40°C ~ +125°C (including self-temperature rise)

compliant RoHS

RoHS & HF compliant

Application

- DC-DC converters
- Buck-boost regulators

SS1240 Series							
DWG. No.	Inductance (μH)	Q ref.	Test Freq. (MHz)	SRF (MHz) typ.	RDC (mΩ) max.	Irms (A) typ.	Isat (A) typ.
SS12401R0YL□-□□□	1.0±30%	10	7.96	85.0	7.0	9.30	9.20
SS12401R5YL□-□□□	1.5±30%	16	7.96	80.0	9.5	9.20	9.00
SS12402R4YL□-□□□	2.4±30%	10	7.96	54.0	11.5	8.00	7.80
SS12403R3YL□-□□□	3.3±30%	14	7.96	43.0	15.0	6.80	6.50
SS12404R7ML□-□□□	4.7±20%	16	7.96	33.0	18.0	6.00	5.60
SS12405R6ML□-□□□	5.6±20%	14	7.96	35.0	20.0	5.40	5.10
SS12406R8ML□-□□□	6.8±20%	14	7.96	34.0	23.0	5.20	4.70
SS12408R2ML□-□□□	8.2±20%	10	7.96	32.0	27.0	4.50	4.30
SS1240100ML□-□□□	10.0±20%	17	2.52	27.0	32.0	4.00	4.00
SS1240120ML□-□□□	12.0±20%	16	2.52	25.0	38.0	3.80	3.60
SS1240150ML□-□□□	15.0±20%	16	2.52	22.0	47.0	3.50	3.20
SS1240180ML□-□□□	18.0±20%	14	2.52	20.0	55.0	3.20	3.00
SS1240220ML□-□□□	22.0±20%	18	2.52	16.0	67.5	3.00	2.60
SS1240270ML□-□□□	27.0±20%	16	2.52	15.5	85.0	2.55	2.35
SS1240330ML□-□□□	33.0±20%	19	2.52	15.0	97.0	2.30	2.10
SS1240390ML□-□□□	39.0±20%	14	2.52	14.0	120.0	2.15	2.00
SS1240470ML□-□□□	47.0±20%	19	2.52	13.0	135.0	2.00	1.80
SS1240560ML□-□□□	56.0±20%	16	2.52	12.0	170.0	1.80	1.65
SS1240680ML□-□□□	68.0±20%	19	2.52	11.0	200.0	1.50	1.50
SS1240820ML□-□□□	82.0±20%	16	2.52	10.0	250.0	1.35	1.35
SS1240101ML□-□□□	100.0±20%	14	0.796	8.0	300.0	1.25	1.20
SS1240121KL□-□□□	120.0±10%	12	0.796	7.8	370.0	1.20	1.15
SS1240151KL□-□□□	150.0±10%	12	0.796	7.5	440.0	1.10	1.05
SS1240181KL□-□□□	180.0±10%	12	0.796	7.0	550.0	0.98	0.95
SS1240221KL□-□□□	220.0±10%	12	0.796	6.6	600.0	0.92	0.90
SS1240271KL□-□□□	270.0±10%	10	0.796	6.0	780.0	0.80	0.80
SS1240331KL□-□□□	330.0±10%	12	0.796	5.5	950.0	0.75	0.75
SS1240391KL□-□□□	390.0±10%	12	0.796	5.0	1150.0	0.70	0.65
SS1240471KL□-□□□	470.0±10%	12	0.796	4.5	1350.0	0.62	0.60
SS1240561KL□-□□□	560.0±10%	12	0.796	4.0	1500.0	0.55	0.52
SS1240681KL□-□□□	680.0±10%	14	0.796	3.8	2000.0	0.50	0.48
SS1240821KL□-□□□	820.0±10%	10	0.796	3.5	2400.0	0.45	0.42
SS1240102KL□-□□□	1000.0±10%	16	0.252	2.8	3000.0	0.42	0.40

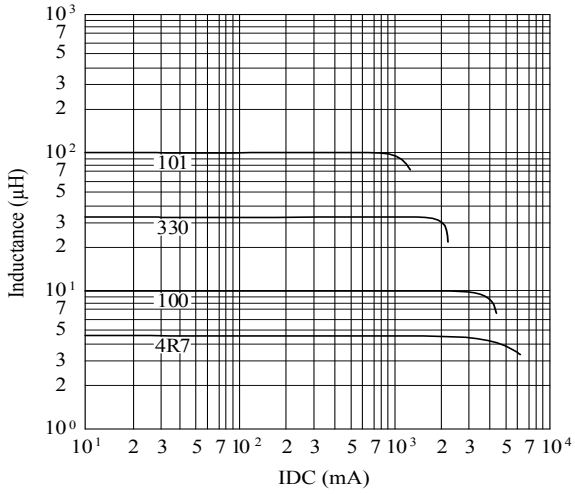
SS1260 Series							
DWG. No.	Inductance (µH)	Q ref.	Test Freq. (MHz)	SRF (MHz) typ.	RDC (mΩ) max.	Irms (A) typ.	Isat (A) typ.
SS12601R0YF□-□□□	1.0±30%	26	7.96	100.00	7.8	9.40	10.00
SS12601R2YF□-□□□	1.2±30%	18	7.96	91.10	8.0	9.20	9.80
SS12601R5YF□-□□□	1.5±30%	24	7.96	86.00	9.5	8.80	9.00
SS12602R2YF□-□□□	2.2±30%	22	7.96	70.00	10.5	8.20	8.50
SS12602R4YF□-□□□	2.4±30%	18	7.96	63.80	11.5	7.80	8.00
SS12603R3YF□-□□□	3.3±30%	20	7.96	40.00	12.0	7.60	7.80
SS12603R5YF□-□□□	3.5±30%	22	7.96	37.60	13.0	7.50	7.60
SS12604R7YF□-□□□	4.7±30%	19	7.96	36.70	15.5	6.80	7.00
SS12605R6YF□-□□□	5.6±30%	19	7.96	33.00	16.2	6.70	6.90
SS12606R1YF□-□□□	6.1±30%	21	7.96	29.80	17.0	6.60	6.80
SS12606R8YF□-□□□	6.8±30%	20	7.96	28.20	18.0	6.30	6.50
SS12607R6YF□-□□□	7.6±30%	16	7.96	27.90	19.0	6.00	6.20
SS12608R2YF□-□□□	8.2±30%	18	7.96	24.00	19.5	5.70	5.80
SS1260100MF□-□□□	10.0±20%	32	2.52	21.00	20.0	5.50	5.50
SS1260120MF□-□□□	12.0±20%	27	2.52	19.40	23.0	5.20	5.00
SS1260150MF□-□□□	15.0±20%	25	2.52	17.60	27.0	5.00	4.60
SS1260180MF□-□□□	18.0±20%	28	2.52	15.50	36.0	4.20	3.90
SS1260220MF□-□□□	22.0±20%	29	2.52	13.40	43.0	4.00	3.70
SS1260270MF□-□□□	27.0±20%	26	2.52	12.70	45.0	3.60	3.30
SS1260330MF□-□□□	33.0±20%	27	2.52	9.97	60.0	3.00	2.80
SS1260390MF□-□□□	39.0±20%	22	2.52	10.40	70.0	2.80	2.70
SS1260470MF□-□□□	47.0±20%	22	2.52	7.63	86.0	2.60	2.50
SS1260560MF□-□□□	56.0±20%	24	2.52	7.92	100.0	2.30	2.20
SS1260680MF□-□□□	68.0±20%	22	2.52	7.43	110.0	2.10	2.10
SS1260820MF□-□□□	82.0±20%	25	2.52	6.85	145.0	1.95	1.90
SS1260101MF□-□□□	100.0±20%	26	0.796	6.07	180.0	1.70	1.70
SS1260121KF□-□□□	120.0±10%	26	0.796	5.50	210.0	1.65	1.65
SS1260151KF□-□□□	150.0±10%	20	0.796	5.00	260.0	1.55	1.55
SS1260181KF□-□□□	180.0±10%	26	0.796	4.50	320.0	1.40	1.40
SS1260221KF□-□□□	220.0±10%	22	0.796	4.20	380.0	1.38	1.30
SS1260271KF□-□□□	270.0±10%	20	0.796	3.60	450.0	1.30	1.20
SS1260331KF□-□□□	330.0±10%	22	0.796	3.20	580.0	1.15	1.10
SS1260391KF□-□□□	390.0±10%	20	0.796	2.80	700.0	1.08	1.00
SS1260471KF□-□□□	470.0±10%	18	0.796	2.60	820.0	0.95	0.90
SS1260561KF□-□□□	560.0±10%	22	0.796	2.40	1000.0	0.88	0.80
SS1260681KF□-□□□	680.0±10%	18	0.796	2.20	1150.0	0.80	0.75
SS1260821KF□-□□□	820.0±10%	20	0.796	2.00	1500.0	0.73	0.63
SS1260102KF□-□□□	1000.0±10%	30	0.252	1.80	1700.0	0.68	0.60

SS1280 Series							
DWG. No.	Inductance (μH)	Q ref.	Test Freq. (MHz)	SRF (MHz) typ.	RDC (mΩ) max.	Irms (A) typ.	Isat (A) typ.
SS12801R1YF□-□□□	1.1±30%	26	7.96	85.0	6.5	10.20	14.00
SS12801R4YF□-□□□	1.4±30%	24	7.96	80.0	9.8	9.80	12.00
SS12802R4YF□-□□□	2.4±30%	20	7.96	45.0	10.0	9.20	10.50
SS12803R3YF□-□□□	3.3±30%	20	7.96	40.0	12.0	8.80	9.80
SS12804R5YF□-□□□	4.5±30%	20	7.96	34.0	13.5	8.50	9.00
SS12804R7YF□-□□□	4.7±30%	22	7.96	30.0	15.5	8.20	8.80
SS12805R6YF□-□□□	5.6±30%	20	7.96	24.0	16.0	8.00	8.50
SS12806R8YF□-□□□	6.8±30%	20	7.96	22.0	18.5	7.60	8.00
SS12807R5YF□-□□□	7.5±30%	16	7.96	21.0	17.5	6.40	7.00
SS12808R2YF□-□□□	8.2±30%	22	2.52	20.0	20.5	6.20	6.80
SS1280100MF□-□□□	10.0±20%	24	2.52	17.0	19.5	6.00	6.60
SS1280120MF□-□□□	12.0±20%	26	2.52	15.0	28.0	5.60	6.30
SS1280150MF□-□□□	15.0±20%	26	2.52	13.0	28.5	5.20	5.00
SS1280180MF□-□□□	18.0±20%	24	2.52	12.0	35.0	4.80	4.60
SS1280220MF□-□□□	22.0±20%	20	2.52	11.0	38.6	4.30	4.10
SS1280270MF□-□□□	27.0±20%	26	2.52	10.0	52.0	3.90	3.70
SS1280330MF□-□□□	33.0±20%	28	2.52	9.5	57.0	3.50	3.30
SS1280390MF□-□□□	39.0±20%	24	2.52	8.5	70.0	3.20	3.10
SS1280470MF□-□□□	47.0±20%	24	2.52	7.5	80.0	2.90	2.80
SS1280560MF□-□□□	56.0±20%	24	2.52	7.0	100.0	2.60	2.50
SS1280680MF□-□□□	68.0±20%	20	2.52	6.5	120.0	2.40	2.30
SS1280820MF□-□□□	82.0±20%	20	2.52	5.0	130.0	2.30	2.20
SS1280101MF□-□□□	100.0±20%	18	0.796	4.5	150.0	2.10	2.00
SS1280121KF□-□□□	120.0±10%	16	0.796	4.3	200.0	1.95	1.95
SS1280151KF□-□□□	150.0±10%	24	0.796	4.1	270.0	1.85	1.90
SS1280181KF□-□□□	180.0±10%	24	0.796	4.0	300.0	1.75	1.88
SS1280221KF□-□□□	220.0±10%	24	0.796	3.4	400.0	1.60	1.70
SS1280271KF□-□□□	270.0±10%	20	0.796	3.1	450.0	1.20	1.60
SS1280331KF□-□□□	330.0±10%	18	0.796	2.9	600.0	1.10	1.40
SS1280391KF□-□□□	390.0±10%	20	0.796	2.7	680.0	1.00	1.40
SS1280471KF□-□□□	470.0±10%	20	0.796	2.2	880.0	0.90	1.25
SS1280561KF□-□□□	560.0±10%	20	0.796	2.0	960.0	0.80	1.15
SS1280681KF□-□□□	680.0±10%	26	0.796	1.7	1300.0	0.75	0.97
SS1280821KF□-□□□	820.0±10%	20	0.796	1.4	1500.0	0.70	0.94
SS1280102KF□-□□□	1000.0±10%	40	0.252	1.3	1700.0	0.68	0.80

1. Electrical specifications at 25°C
2. Inductance test freq. : 1R1~8R2 : 100kHz / 1V , 100~102 : 1kHz / 1V
3. Irms base on Temp. rise 40°C typ.
4. Isat base on ΔL/L0A=25% typ.

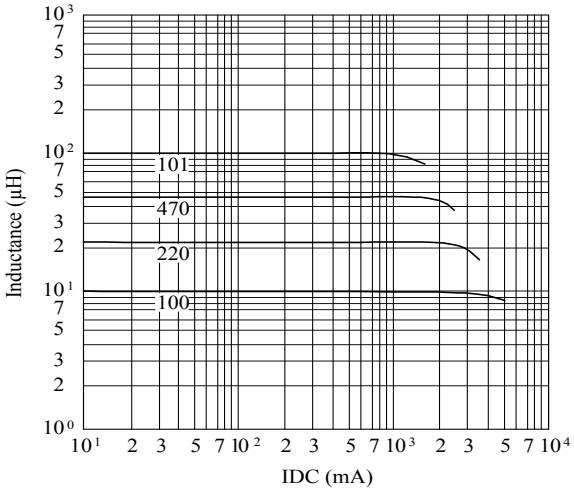
SS1240 Series

@ Inductance VS. DC Current Curve



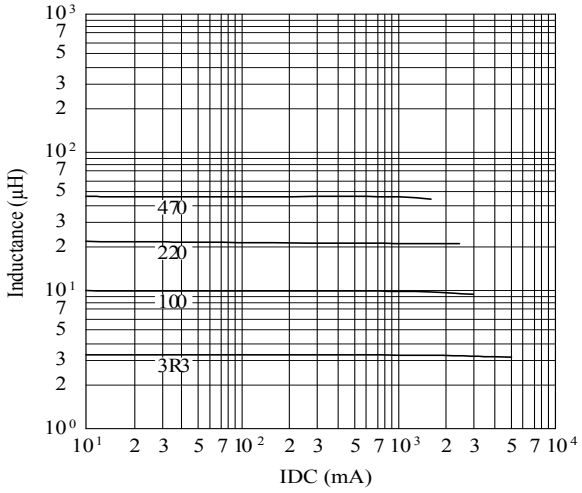
SS1260 Series

@ Inductance VS. DC Current Curve



SS1280 Series

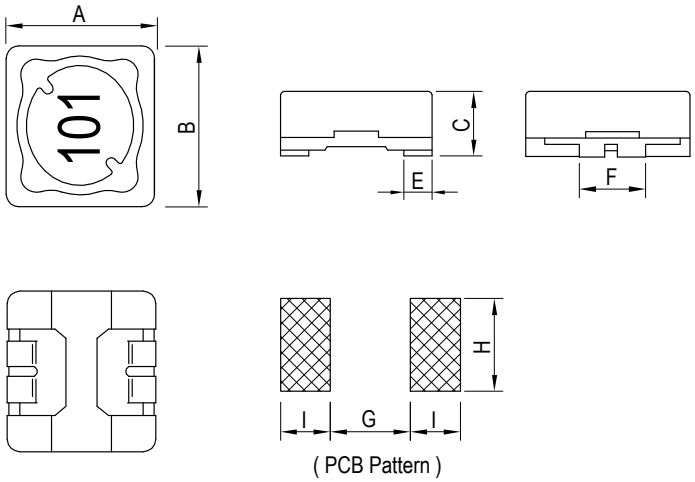
@ Inductance VS. DC Current Curve



SS SERIES

1205 / 1206 / 1208

High Inductance



Unit: mm

Series	A	B	C	E	F	G	H	I
SS1205	12.70±0.30	12.70±0.30	5.00±0.50	2.30±0.20	5.00±0.20	6.00 ref.	7.00 ref.	4.00 ref.
SS1206	12.70±0.30	12.70±0.30	6.00±0.50	2.30±0.20	5.00±0.20	6.00 ref.	7.00 ref.	4.00 ref.
SS1208	12.70±0.30	12.70±0.30	8.00±0.50	2.30±0.20	5.00±0.20	6.00 ref.	7.00 ref.	4.00 ref.

Features

- Magnetic shielding allows high-density mounting
- Excellent current handling capability
- Operating temp.: -40°C ~ +125°C (including self-temperature rise)

compliant RoHS RoHS & HF compliant

Application

- DC-DC converters
- Buck-boost regulators

SS1205 Series				
DWG. No.	Inductance (μH)	Test Freq. (Hz)	RDC (mΩ) max.	IDC (A) max.
SS12052R5MT□-□□□	2.50±20%	1k	24.0	5.00
SS12055R0MT□-□□□	5.00±20%	1k	35.0	4.00
SS12057R5MT□-□□□	7.50±20%	1k	40.0	3.50
SS1205100MT□-□□□	10.00±20%	1k	54.0	3.00
SS1205120MT□-□□□	12.00±20%	1k	65.0	2.80
SS1205150MT□-□□□	15.00±20%	1k	70.0	2.70
SS1205180MT□-□□□	18.00±20%	1k	82.0	2.60
SS1205220MT□-□□□	22.00±20%	1k	95.0	2.40
SS1205250MT□-□□□	25.00±20%	1k	120.0	2.00
SS1205330MT□-□□□	33.00±20%	1k	145.0	1.80
SS1205390MT□-□□□	39.00±20%	1k	160.0	1.65
SS1205500YT□-□□□	50.00±15%	1k	200.0	1.50
SS1205560YT□-□□□	56.00±15%	1k	240.0	1.40
SS1205680YT□-□□□	68.00±15%	1k	280.0	1.30
SS1205750YT□-□□□	75.00±15%	1k	330.0	1.20
SS1205101KT□-□□□	100.00±10%	1k	400.0	1.00
SS1205121KT□-□□□	120.00±10%	1k	500.0	0.90
SS1205151KT□-□□□	150.00±10%	1k	580.0	0.80
SS1205181KT□-□□□	180.00±10%	1k	750.0	0.70
SS1205221KT□-□□□	220.00±10%	1k	840.0	0.65
SS1205271KT□-□□□	270.00±10%	1k	1000.0	0.60
SS1205331KT□-□□□	330.00±10%	1k	1340.0	0.54
SS1205391KT□-□□□	390.00±10%	1k	1500.0	0.50
SS1205471KT□-□□□	470.00±10%	1k	1980.0	0.45
SS1205561KT□-□□□	560.00±10%	1k	2200.0	0.40
SS1205681KT□-□□□	680.00±10%	1k	2400.0	0.35
SS1205821KT□-□□□	820.00±10%	1k	3000.0	0.30

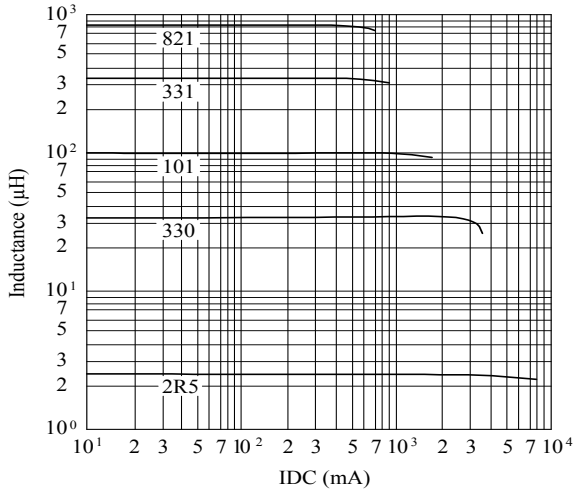
SS1206 Series				
DWG. No.	Inductance (μH)	Test Freq. (Hz)	RDC (mΩ) max.	IDC (A) max.
SS12062R5MP□-□□□	2.5±20%	1k	16	6.20
SS12065R0MP□-□□□	5.0±20%	1k	22	4.70
SS12067R5MP□-□□□	7.5±20%	1k	25	3.80
SS1206100MP□-□□□	10.0±20%	1k	35	3.30
SS1206120MP□-□□□	12.0±20%	1k	38	3.00
SS1206150MP□-□□□	15.0±20%	1k	42	2.80
SS1206180MP□-□□□	18.0±20%	1k	50	2.50
SS1206220MP□-□□□	22.0±20%	1k	62	2.30
SS1206270MP□-□□□	27.0±20%	1k	68	2.00
SS1206330YP□-□□□	33.0±15%	1k	90	1.90
SS1206390YP□-□□□	39.0±15%	1k	100	1.75
SS1206470YP□-□□□	47.0±15%	1k	130	1.60
SS1206560YP□-□□□	56.0±15%	1k	155	1.45
SS1206680YP□-□□□	68.0±15%	1k	170	1.30
SS1206820YP□-□□□	82.0±15%	1k	185	1.20
SS1206101YP□-□□□	100.0±15%	1k	220	1.10
SS1206121YP□-□□□	120.0±15%	1k	260	1.00
SS1206151KP□-□□□	150.0±10%	1k	320	0.90
SS1206181KP□-□□□	180.0±10%	1k	380	0.80
SS1206221KP□-□□□	220.0±10%	1k	460	0.70
SS1206271KP□-□□□	270.0±10%	1k	520	0.65
SS1206331KP□-□□□	330.0±10%	1k	660	0.60
SS1206391KP□-□□□	390.0±10%	1k	870	0.55
SS1206471KP□-□□□	470.0±10%	1k	970	0.50
SS1206561KP□-□□□	560.0±10%	1k	1320	0.45
SS1206681KP□-□□□	680.0±10%	1k	1500	0.40
SS1206821KP□-□□□	820.0±10%	1k	1700	0.35
SS1206102KP□-□□□	1000.0±10%	1k	2300	0.30
SS1206122KP□-□□□	1200.0±10%	1k	2650	0.25
SS1206152KP□-□□□	1500.0±10%	1k	3500	0.20

SS1208 Series					
DWG. No.	Inductance (μH)	SRF (MHz) typ.	RDC (mΩ) max.	Irms (A) typ.	Isat (A) max.
SS12082R5MP□-□□□	2.5±20%	1k	37.0	11.4	7.80
SS12084R5MP□-□□□	4.5±20%	1k	30.0	14.0	6.80
SS12086R5MP□-□□□	6.5±20%	1k	20.0	18.0	6.50
SS1208100MP□-□□□	10.0±20%	1k	15.0	21.0	5.40
SS1208120MP□-□□□	12.0±20%	1k	11.0	25.0	4.90
SS1208150MP□-□□□	15.0±20%	1k	11.0	36.0	4.50
SS1208180MP□-□□□	18.0±20%	1k	9.0	40.0	3.90
SS1208220MP□-□□□	22.0±20%	1k	7.0	43.0	3.60
SS1208270MP□-□□□	27.0±20%	1k	6.5	48.0	3.40
SS1208330YP□-□□□	33.0±15%	1k	6.5	62.0	3.00
SS1208390YP□-□□□	39.0±15%	1k	6.0	76.0	2.70
SS1208470YP□-□□□	47.0±15%	1k	5.0	85.0	2.50
SS1208560YP□-□□□	56.0±15%	1k	5.0	110.0	2.30
SS1208680YP□-□□□	68.0±15%	1k	5.0	135.0	2.10
SS1208820YP□-□□□	82.0±15%	1k	4.0	150.0	1.90
SS1208101YP□-□□□	100.0±15%	1k	4.0	170.0	1.70
SS1208121YP□-□□□	120.0±15%	1k	3.0	190.0	1.50
SS1208151YP□-□□□	150.0±15%	1k	3.0	240.0	1.40
SS1208181YP□-□□□	180.0±15%	1k	2.5	270.0	1.30
SS1208221KP□-□□□	220.0±10%	1k	2.5	380.0	1.10
SS1208271KP□-□□□	270.0±10%	1k	2.0	400.0	1.00
SS1208331KP□-□□□	330.0±10%	1k	1.8	650.0	0.90
SS1208391KP□-□□□	390.0±10%	1k	1.6	670.0	0.85
SS1208471KP□-□□□	470.0±10%	1k	1.4	850.0	0.80
SS1208561KP□-□□□	560.0±10%	1k	1.4	900.0	0.70
SS1208681KP□-□□□	680.0±10%	1k	1.2	1000.0	0.65
SS1208821KP□-□□□	820.0±10%	1k	1.2	1150.0	0.60
SS1208102KP□-□□□	1000.0±10%	1k	1.0	1650.0	0.55
SS1208122KP□-□□□	1200.0±10%	1k	0.8	2000.0	0.40
SS1208152KP□-□□□	1500.0±10%	1k	0.8	2350.0	0.36

1. Electrical specifications at 25°C
2. IDC base on Temp. rise 40°C max. & ΔL/L0A= 10% max.

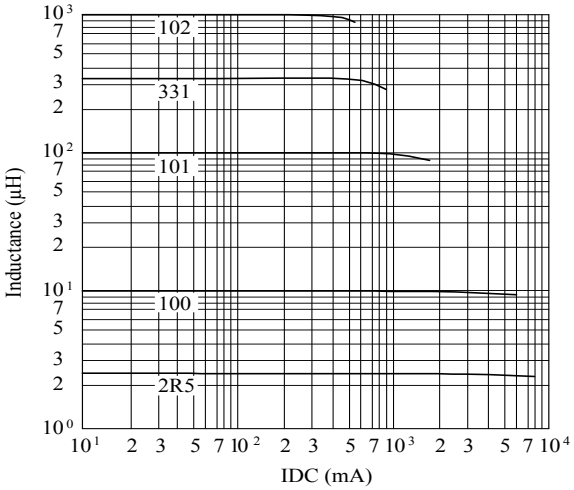
SS1205 Series

@ Inductance VS. DC Current Curve



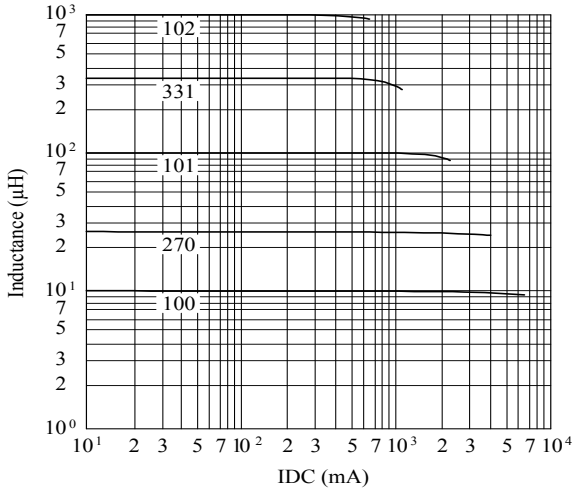
SS1206 Series

@ Inductance VS. DC Current Curve



SS1208 Series

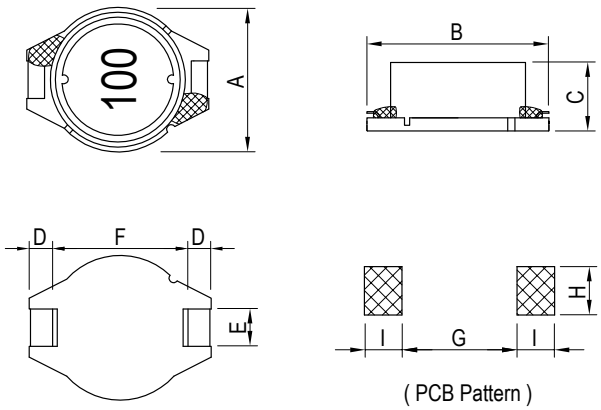
@ Inductance VS. DC Current Curve



SS

SS SERIES 1806

High Inductance



(PCB Pattern)

Unit: mm

Series	A	B	C	D	E	F	G	H	I
SS1806	14.00±0.50	18.20±0.50	6.80±0.30	2.50±0.20	2.60±0.20	13.00±0.30	12.70 ref.	2.90 ref.	3.20 ref.

Features

- Magnetic shielding allows high-density mounting
- Excellent current handling capability
- Operating temp.: -40°C ~ +125°C (including self-temperature rise)

compliant RoHS

RoHS & HF compliant

Application

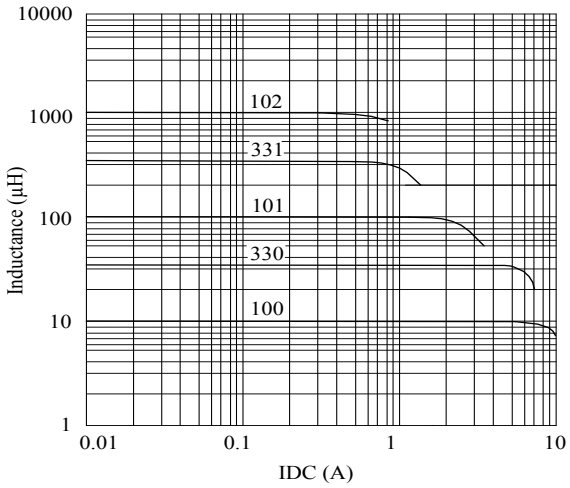
- DC-DC converters
- Buck-boost regulators

SS1806 Series							
DWG. No.	Inductance (μH)	Q ref.	Test Freq. (MHz)	SRF (MHz) typ.	RDC (mΩ) max.	Irms (A) typ.	Isat (A) typ.
SS1806100ML□-□□□	10.0±20%	56	2.52M	19.0	0.040	4.00	8.2
SS1806150ML□-□□□	15.0±20%	53	2.52M	17.5	0.052	3.60	7.2
SS1806220ML□-□□□	22.0±20%	51	2.52M	16.0	0.070	3.00	6.2
SS1806330ML□-□□□	33.0±20%	44	2.52M	10.0	0.100	2.50	5.0
SS1806470ML□-□□□	47.0±20%	40	2.52M	8.0	0.130	2.00	4.2
SS1806680ML□-□□□	68.0±20%	37	2.52M	6.0	0.200	1.60	3.4
SS1806101ML□-□□□	100.0±20%	40	0.796M	4.6	0.320	1.30	2.6
SS1806151ML□-□□□	150.0±20%	39	0.796M	4.3	0.500	1.05	2.3
SS1806221ML□-□□□	220.0±20%	29	0.796M	3.5	0.600	1.00	1.9
SS1806331ML□-□□□	330.0±20%	30	0.796M	3.0	0.920	0.80	1.4
SS1806471ML□-□□□	470.0±20%	27	0.796M	2.4	1.150	0.64	1.3
SS1806681ML□-□□□	680.0±20%	19	0.796M	2.1	1.700	0.54	1.1
SS1806102ML□-□□□	1000.0±20%	46	0.252M	1.5	2.450	0.45	0.9

1. Electrical specifications at 25°C
2. Inductance test condition 100kHz / 0.1V
3. Irms base on ΔT=40°C typ.
4. Isat base on ΔL/L0A=10% typ.

SS1806 Series

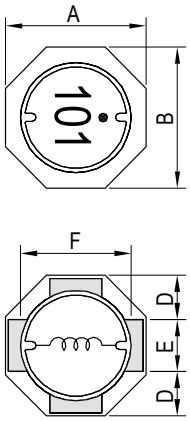
@ Inductance VS. DC Current Curve

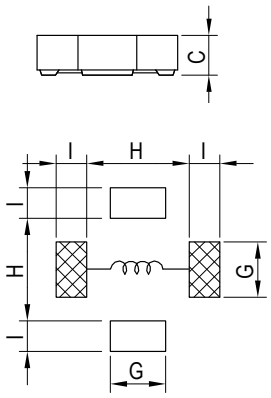


SU SERIES

5016 / 5018 / 5028 / 6018 / 6025 / 8030 / 8040/ 8043 / 8058 / 1030 / 1040 / 1048 / 1065

General





(PCB Pattern)

Unit: mm

Series	A	B	C	D	E	F	G	H	I
SU5016	5.20±0.20	5.20±0.20	1.60±0.20	1.60 typ.	1.80 typ.	3.90 typ.	2.00 ref.	3.70 ref.	1.10 ref.
SU5018	5.20±0.20	5.20±0.20	1.80±0.20	1.40 typ.	1.80 typ.	3.90 typ.	2.00 ref.	3.70 ref.	1.10 ref.
SU5028	5.20±0.20	5.20±0.20	2.80±0.20	1.40 typ.	1.80 typ.	3.90 typ.	2.00 ref.	3.70 ref.	1.10 ref.
SU6018	6.20±0.30	6.50±0.30	1.80±0.20	2.00 typ.	2.20 typ.	4.90 typ.	2.40 ref.	4.90 ref.	1.10 ref.
SU6025	6.20±0.30	6.50±0.30	2.50±0.30	2.00 typ.	2.20 typ.	4.90 typ.	2.40 ref.	4.90 ref.	1.10 ref.
SU8030	8.00±0.30	8.00±0.30	2.80±0.30	2.20 typ.	3.20 typ.	6.40 typ.	3.40 ref.	6.20 ref.	1.40 ref.
SU8040	8.00±0.30	8.00±0.30	3.80±0.30	2.20 typ.	3.20 typ.	6.40 typ.	3.40 ref.	6.20 ref.	1.40 ref.
SU8043	8.00±0.30	8.00±0.30	4.30±0.30	2.20 typ.	3.00±0.50	6.00 typ.	3.20 ref.	5.80 ref.	1.40 ref.
SU8058	8.00±0.30	8.00±0.30	5.80±0.30	2.20 typ.	3.20 typ.	6.40 typ.	3.40 ref.	6.20 ref.	1.40 ref.
SU1030	10.00±0.30	10.00±0.30	2.80±0.30	2.75 typ.	4.00 typ.	8.20 typ.	4.20 ref.	8.20 ref.	1.40 ref.
SU1040	10.00±0.30	10.00±0.30	3.80±0.30	2.75 typ.	4.00 typ.	8.20 typ.	4.20 ref.	8.20 ref.	1.40 ref.
SU1048	10.00±0.30	10.00±0.30	4.80±0.30	2.50 typ.	3.20 typ.	7.40 typ.	4.00 ref.	7.20 ref.	1.80 ref.
SU1065	10.00±0.30	10.00±0.30	6.60±0.30	2.75 typ.	4.00 typ.	8.20 typ.	4.20 ref.	8.20 ref.	1.40 ref.

Features

- Magnetic shielding allows high-density mounting
- Low profile
- Low RDC
- High current handling capability
- Operating temp.: -40°C ~ +125°C (including self-temperature rise)

Application

- DC-DC vonverters
- Buck-boost regulators

SU5016 Series

DWG. No.	Inductance (µH)	Q ref.	Test Freq. (Hz)		RDC (mΩ)		SRF (MHz) typ.	Irms (mA) max.	Isat (mA) typ.
			L	Q	typ.	max.			
SU50161R8YL□-□□□	1.8±30%	9	100k	7.96M	24	32	100	1750	1700
SU50163R3YL□-□□□	3.3±30%	9	100k	7.96M	35	48	80	1550	1500
SU50164R7YL□-□□□	4.7±30%	9	100k	7.96M	43	57	60	1300	1200
SU50166R8YL□-□□□	6.8±30%	8	100k	7.96M	50	78	50	1200	1100
SU5016100YL□-□□□	10.0±30%	15	100k	2.52M	84	110	40	1000	900
SU5016150YL□-□□□	15.0±30%	15	100k	2.52M	130	170	32	800	720
SU5016220YL□-□□□	22.0±30%	15	100k	2.52M	195	250	28	650	560
SU5016330YL□-□□□	33.0±30%	13	100k	2.52M	300	375	22	540	500
SU5016470YL□-□□□	47.0±30%	18	100k	2.52M	390	480	18	460	420
SU5016680YL□-□□□	68.0±30%	18	100k	2.52M	560	700	15	360	330
SU5016101YL□-□□□	100.0±30%	18	100k	796k	850	1050	12	300	270

SU5018 Series

DWG. No.	Inductance (µH)	Q ref.	Test Freq. (Hz)		RDC (mΩ)		SRF (MHz) typ.	Irms (mA) max.	Isat (mA) typ.
			L	Q	typ.	max.			
SU50181R0YL□-□□□	1.0±30%	9	100k	7.96M	12.5	16.5	200	2800	2850
SU50181R5YL□-□□□	1.5±30%	9	100k	7.96M	15.5	20.5	160	2500	2400
SU50182R2YL□-□□□	2.2±30%	10	100k	7.96M	20.5	27.0	130	2300	2100
SU50183R5YL□-□□□	3.5±30%	9	100k	7.96M	32.0	42.0	90	2100	1700
SU50184R7YL□-□□□	4.7±30%	8.5	100k	7.96M	36.0	47.0	80	2000	1550
SU50186R8YL□-□□□	6.8±30%	7.5	100k	7.96M	50.0	65.0	60	1450	1200
SU5018100YL□-□□□	10.0±30%	12	100k	2.52M	65.0	85.0	50	1250	1050
SU5018150YL□-□□□	15.0±30%	12	100k	2.52M	100.0	130.0	40	950	800
SU5018220YL□-□□□	22.0±30%	12	100k	2.52M	160.0	210.0	28	680	650
SU5018330YL□-□□□	33.0±30%	13	100k	2.52M	220.0	290.0	23	660	560
SU5018470YL□-□□□	47.0±30%	13	100k	2.52M	330.0	430.0	18	540	450
SU5018680YL□-□□□	68.0±30%	12	100k	2.52M	480.0	620.0	16	370	360
SU5018101YL□-□□□	100.0±30%	15	100k	796k	620.0	780.0	15	320	310

SU5028 Series

DWG. No.	Inductance (µH)	Q ref.	Test Freq. (Hz)		RDC (mΩ)		SRF (MHz) typ.	Irms (mA) typ.	Isat (mA) typ.
			L	Q	typ.	max.			
SU50281R2YL□-□□□	1.2±30%	10	100k	7.96M	16.8	22	200	3500	3400
SU50282R2YL□-□□□	2.2±30%	10	100k	7.96M	21.0	27	130	3200	2500
SU50283R3YL□-□□□	3.3±30%	10	100k	7.96M	24.0	32	90	2800	2100
SU50284R7YL□-□□□	4.7±30%	9	100k	7.96M	32.0	45	50	2200	1850
SU50286R8YL□-□□□	6.8±30%	10	100k	7.96M	42.0	56	55	2000	1550
SU5028100YL□-□□□	10.0±30%	18	100k	2.52M	63.0	85	25	1800	1400
SU5028150YL□-□□□	15.0±30%	18	100k	2.52M	108.0	140	23	1100	1000
SU5028220YL□-□□□	22.0±30%	15	100k	2.52M	162.0	210	18	950	850
SU5028330YL□-□□□	33.0±30%	15	100k	2.52M	203.0	260	16	800	680
SU5028470YL□-□□□	47.0±30%	13	100k	2.52M	285.0	360	13	700	620
SU5028680YL□-□□□	68.0±30%	13	100k	2.52M	450.0	550	10	560	460
SU5028101YL□-□□□	100.0±30%	15	100k	796k	625.0	800	8	470	420

SU6018 Series

DWG. No.	Inductance (µH)	Q ref.	Test Freq. (Hz)		RDC (mΩ)		SRF (MHz) typ.	Irms (mA) typ.	Isat (mA) typ.
			L	Q	typ.	max.			
SU60181R2YF□-□□□	1.2±30%	8	100k	7.96M	19	25	130	3600	2800
SU60181R8YF□-□□□	1.8±30%	8	100k	7.96M	22	28	90	3000	2300
SU60183R3YF□-□□□	3.3±30%	8	100k	7.96M	28	36	60	2500	1700
SU60184R7YF□-□□□	4.7±30%	8	100k	7.96M	32	42	50	2200	1400
SU60186R8YF□-□□□	6.8±30%	8	100k	7.96M	46	60	40	1900	1200
SU6018100YF□-□□□	10.0±30%	12	100k	2.52M	68	88	30	1700	1000
SU6018150YF□-□□□	15.0±30%	12	100k	2.52M	100	130	24	1500	800
SU6018220YF□-□□□	22.0±30%	14	100k	2.52M	145	190	18	1200	650
SU6018330YF□-□□□	33.0±30%	10	100k	2.52M	195	255	16	1000	580
SU6018470YF□-□□□	47.0±30%	12	100k	2.52M	315	410	14	800	460
SU6018680YF□-□□□	68.0±30%	12	100k	2.52M	455	600	12	620	360
SU6018101YF□-□□□	100.0±30%	20	100k	796k	550	715	9	550	340

SU6025 Series

DWG. No.	Inductance (µH)	Q ref.	Test Freq. (Hz)		RDC (mΩ)		SRF (MHz) typ.	Irms (mA) typ.	Isat (mA) typ.
			L	Q	typ.	max.			
SU60251R2YF□-□□□	1.2±30%	8	100k	7.96M	14.5	19	120	4000	3200
SU60252R2YF□-□□□	2.2±30%	8	100k	7.96M	18.5	24	65	3400	2350
SU60253R3YF□-□□□	3.3±30%	8	100k	7.96M	21.0	27	50	3200	2000
SU60254R7YF□-□□□	4.7±30%	8	100k	7.96M	27.0	35	42	2700	1550
SU60256R8YF□-□□□	6.8±30%	8	100k	7.96M	32.0	42	36	2400	1300
SU60258R2YF□-□□□	8.2±30%	8	100k	7.96M	40.0	52	30	2200	1250
SU6025100YF□-□□□	10.0±30%	12	100k	2.52M	44.0	57	25	2000	1050
SU6025150YF□-□□□	15.0±30%	12	100k	2.52M	66.0	86	22	1800	920
SU6025220YF□-□□□	22.0±30%	12	100k	2.52M	100.0	130	18	1600	700
SU6025330YF□-□□□	33.0±30%	12	100k	2.52M	140.0	180	12	1200	640
SU6025470YF□-□□□	47.0±30%	12	100k	2.52M	190.0	250	10	1000	480
SU6025680YF□-□□□	68.0±30%	10	100k	2.52M	280.0	365	8	800	400
SU6025101YF□-□□□	100.0±30%	24	100k	796k	385.0	500	7	700	350
SU6025151YF□-□□□	150.0±30%	30	100k	796k	590.0	770	5	540	280
SU6025221YF□-□□□	220.0±30%	20	100k	796k	950.0	1250	4	420	240

SU8030 Series

DWG. No.	Inductance (µH)	Q ref.	Test Freq.		RDC (mΩ)		SRF (MHz) typ.	Irms (A) typ.	Isat (mA) typ.
			L (kHz)	Q (MHz)	typ.	max.			
SU80303R3YF□-□□□	3.3±30%	12	100	7.96	15.6	22.0	55	5.00	4.60
SU80304R7YF□-□□□	4.7±30%	10	100	7.96	22.0	30.0	42	4.60	3.80
SU80306R8YF□-□□□	6.8±30%	10	100	7.96	34.5	46.0	30	3.60	3.20
SU8030100YF□-□□□	10.0±30%	18	100	2.52	47.3	60.0	25	3.00	2.60
SU8030150YF□-□□□	15.0±30%	18	100	2.52	75.0	100.0	20	2.20	2.00
SU8030220YF□-□□□	22.0±30%	18	100	2.52	105.0	130.0	16	2.00	1.75
SU8030330YF□-□□□	33.0±30%	16	100	2.52	144.0	180.0	14	1.60	1.45
SU8030470YF□-□□□	47.0±30%	16	100	2.52	205.0	260.0	12	1.45	1.25
SU8030680YF□-□□□	68.0±30%	16	100	2.52	250.0	315.0	9	1.25	0.96
SU8030101YF□-□□□	100.0±30%	24	100	0.796	415.0	520.0	7	0.85	0.75

SU8040 Series

DWG. No.	Inductance (µH)	Q ref.	Test Freq.		RDC (mΩ)		SRF (MHz) typ.	Irms (A) typ.	Isat (mA) typ.
			L (kHz)	Q (MHz)	typ.	max.			
SU80403R3YF□-□□□	3.3±30%	12	100	7.96	13.8	18.0	40	6.00	5.00
SU80404R2YF□-□□□	4.2±30%	12	100	7.96	16.5	22.0	32	5.30	4.60
SU80406R2YF□-□□□	6.2±30%	10	100	7.96	25.0	32.0	28	4.20	4.00
SU8040100YF□-□□□	10.0±30%	22	100	2.52	33.0	42.0	20	3.70	2.90
SU8040150YF□-□□□	15.0±30%	20	100	2.52	55.0	70.0	18	2.80	2.50
SU8040220YF□-□□□	22.0±30%	22	100	2.52	88.0	110.0	15	2.20	2.05
SU8040330YF□-□□□	33.0±30%	22	100	2.52	115.0	150.0	12	1.90	1.75
SU8040470YF□-□□□	47.0±30%	20	100	2.52	150.0	190.0	10	1.55	1.45
SU8040680YF□-□□□	68.0±30%	18	100	2.52	205.0	260.0	8	1.35	1.10
SU8040101YF□-□□□	100.0±30%	25	100	0.796	325.0	410.0	6	1.05	0.92
SU8040151YF□-□□□	150.0±30%	18	100	0.796	445.0	560.0	5	0.90	0.77

SU8043 Series

DWG. No.	Inductance (µH)	Q ref.	Test Freq.		RDC (mΩ)		SRF (MHz) typ.	Irms (A)	Isat (A)
			L (kHz)	Q (MHz)	typ.	max.			
SU80431R0YF□-□□□	1.0±30%	15	100	7.96	8.1	10	70	6.60	7.50
SU80432R2YF□-□□□	2.2±30%	15	100	7.96	11.2	15	65	5.40	5.20
SU80433R3YF□-□□□	3.3±30%	12	100	7.96	12.5	17	54	5.10	4.50
SU80433R9YF□-□□□	3.9±30%	15	100	7.96	14.6	19	42	4.80	4.00
SU80434R7YF□-□□□	4.7±30%	13	100	7.96	17.0	22	36	4.60	3.60
SU80436R8YF□-□□□	6.8±30%	12	100	7.96	22.4	30	30	3.80	3.10
SU8043100YF□-□□□	10.0±30%	27	100	2.52	30.0	40	20	3.50	2.70
SU8043150YF□-□□□	15.0±30%	26	100	2.52	46.0	60	15	2.70	2.00
SU8043220YF□-□□□	22.0±30%	24	100	2.52	72.5	95	12	2.20	1.70
SU8043330YF□-□□□	33.0±30%	21	100	2.52	100.0	130	11	1.70	1.40
SU8043470YF□-□□□	47.0±30%	21	100	2.52	120.0	150	9	1.50	1.20
SU8043680YF□-□□□	68.0±30%	20	100	2.52	192.0	250	7	1.20	1.00
SU8043101YF□-□□□	100.0±30%	50	100	0.796	287.0	370	6	1.00	0.80

SU8058 Series

DWG. No.	Inductance (µH)	Q ref.	Test Freq.		RDC (mΩ)		SRF (MHz) typ.	Irms (A) typ.	Isat (A) typ.
			L (kHz)	Q (MHz)	typ.	max.			
SU80583R9YF□-□□□	3.9±30%	8	100	7.96	12.0	16.0	45	6.50	4.50
SU80585R2YF□-□□□	5.2±30%	8	100	7.96	14.0	17.5	35	5.80	3.90
SU80586R8YF□-□□□	6.8±30%	8	100	7.96	16.0	20.0	30	5.50	4.00
SU8058100YF□-□□□	10.0±30%	20	100	2.52	18.6	25.0	18	4.60	3.00
SU8058220YF□-□□□	22.0±30%	20	100	2.52	42.0	52.0	14	3.40	1.80
SU8058330YF□-□□□	33.0±30%	16	100	2.52	58.0	72.0	10	2.70	1.60
SU8058470YF□-□□□	47.0±30%	12	100	2.52	80.0	100.0	7	2.30	1.50
SU8058680YF□-□□□	68.0±30%	16	100	2.52	100.0	130.0	6	2.00	1.20
SU8058101YF□-□□□	100.0±30%	22	100	0.796	124.0	160.0	5	1.70	0.90

SU1030 Series

DWG. No.	Inductance (µH)	Q ref.	SRF (MHz) typ.	RDC (mΩ)		Irms (A) typ.	Isat (A) typ.
				typ.	max.		
SU10303R5YF□-□□□	3.5±30%	16	45.0	20.5	27.0	5.00	5.20
SU10304R7YF□-□□□	4.7±30%	14	36.0	25.0	32.5	4.20	4.40
SU10306R2YF□-□□□	6.2±30%	12	30.0	32.0	42.0	3.80	3.90
SU1030100YF□-□□□	10.0±30%	16	26.0	44.0	58.0	3.00	3.10
SU1030150YF□-□□□	15.0±30%	16	22.0	73.0	95.0	2.60	2.55
SU1030220YF□-□□□	22.0±30%	16	18.0	110.0	145.0	2.00	2.10
SU1030330YF□-□□□	33.0±30%	12	14.0	150.0	195.0	1.70	1.74
SU1030470YF□-□□□	47.0±30%	14	12.0	210.0	270.0	1.40	1.35
SU1030680YF□-□□□	68.0±30%	14	10.0	285.0	370.0	1.20	1.22
SU1030101YF□-□□□	100.0±30%	14	8.5	395.0	520.0	1.10	1.02
SU1030151YF□-□□□	150.0±30%	12	5.5	640.0	840.0	0.85	0.84

SU1040 Series

DWG. No.	Inductance (µH)	Q ref.	SRF (MHz) typ.	RDC (mΩ)		Irms (A) typ.	Isat (A) typ.
				typ.	max.		
SU10403R8YF□-□□□	3.8±30%	14	40.0	13.5	18.0	6.60	5.80
SU10405R0YF□-□□□	5.0±30%	12	28.0	17.5	23.0	5.20	4.70
SU10406R2YF□-□□□	6.2±30%	12	24.0	21.5	28.0	4.70	4.30
SU1040100YF□-□□□	10.0±30%	16	22.0	32.0	42.0	4.40	3.80
SU1040150YF□-□□□	15.0±30%	18	16.0	60.0	78.0	2.90	2.80
SU1040220YF□-□□□	22.0±30%	16	12.0	75.0	98.0	2.55	2.48
SU1040330YF□-□□□	33.0±30%	16	10.0	110.0	140.0	2.05	2.00
SU1040470YF□-□□□	47.0±30%	16	8.0	170.0	220.0	1.62	1.56
SU1040680YF□-□□□	68.0±30%	16	7.0	245.0	320.0	1.45	1.40
SU1040101YF□-□□□	100.0±30%	14	6.0	320.0	415.0	1.18	1.14
SU1040221YF□-□□□	220.0±30%	14	4.0	760.0	950.0	0.78	0.72
SU1040331YF□-□□□	330.0±30%	14	2.5	1080.0	1350.0	0.62	0.60

SU1048 Series

DWG. No.	Inductance (µH)	Q ref.	SRF (MHz) typ.	RDC (mΩ)		Irms (A) max.	Isat (A) typ.
				typ.	max.		
SU1048R80YF□-□□□	0.8±30%	8	100.0	3.6	4.8	7.80	8.50
SU10481R5YF□-□□□	1.5±30%	14	70.0	4.3	5.8	7.00	7.20
SU10482R2YF□-□□□	2.2±30%	14	55.0	5.3	7.2	6.50	6.30
SU10483R0YF□-□□□	3.0±30%	14	40.0	7.2	10.0	6.20	6.00
SU10484R7YF□-□□□	4.7±30%	12	30.0	9.5	12.5	5.50	4.75
SU10486R8YF□-□□□	6.8±30%	10	20.0	13.6	18.0	4.80	4.10
SU10488R2YF□-□□□	8.2±30%	8	18.0	15.0	20.0	4.60	3.80
SU1048100YF□-□□□	10.0±30%	26	16.0	18.5	25.0	4.50	3.70
SU1048150YF□-□□□	15.0±30%	30	14.0	29.0	40.0	3.20	2.70
SU1048220YF□-□□□	22.0±30%	22	12.0	42.0	55.0	2.60	2.00
SU1048330YF□-□□□	33.0±30%	24	10.0	63.0	84.0	2.10	1.70
SU1048470YF□-□□□	47.0±30%	26	8.0	94.0	120.0	1.70	1.50
SU1048560YF□-□□□	56.0±30%	26	7.0	110.0	145.0	1.60	1.40
SU1048680YF□-□□□	68.0±30%	24	6.0	127.0	170.0	1.40	1.25
SU1048820YF□-□□□	82.0±30%	24	5.5	149.0	200.0	1.30	1.10
SU1048101YF□-□□□	100.0±30%	26	5.0	160.0	220.0	1.20	1.00
SU1048151YF□-□□□	150.0±30%	24	4.5	235.0	305.0	1.00	0.80
SU1048221YF□-□□□	220.0±30%	20	4.0	350.0	455.0	0.80	0.70
SU1048331YF□-□□□	330.0±30%	18	3.0	490.0	640.0	0.65	0.52

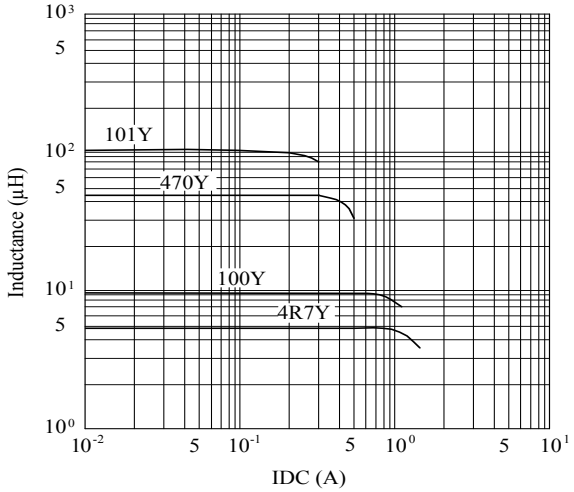
5016 / 5018 / 5028 / 6018 / 6025 / 8030 / 8040/ 8043 / 8058 / 1030 / 1040 / 1048 / 1065

SU1065 Series							
DWG. No.	Inductance (μH)	Q ref.	SRF (MHz) typ.	RDC (mΩ)		Irms (A) typ.	Isat (A) typ.
				typ.	max.		
SU10652R8YF□-□□□	2.8±30%	15	60	15	19	6.50	7.50
SU10654R2YF□-□□□	4.2±30%	14	45	18	23	5.60	7.00
SU10656R5YF□-□□□	6.5±30%	13	28	28	35	5.00	5.30
SU1065100YF□-□□□	10.0±30%	14	20	33	41	4.90	4.00
SU1065220YF□-□□□	22.0±30%	16	12	58	73	3.80	2.80
SU1065330YF□-□□□	33.0±30%	10	7	93	120	2.70	2.40
SU1065470YF□-□□□	47.0±30%	10	6	165	210	2.10	2.10
SU1065680YF□-□□□	68.0±30%	8	5	195	250	1.85	1.75
SU1065101YF□-□□□	100.0±30%	13	4	234	290	1.80	1.40

1. Electrical specifications at 25°C
2. Inductance Test Freq.: 100kHz / 1V
3. Q Test Freq.: R80--25.2MHz, 1R5~8R2--7.96MHz, 100~820--2.52MHz, 101~331--0.796MHz
4. Irms base on Temp. rise 30°C max.
5. Isat base on ΔL/L0A=35% typ.

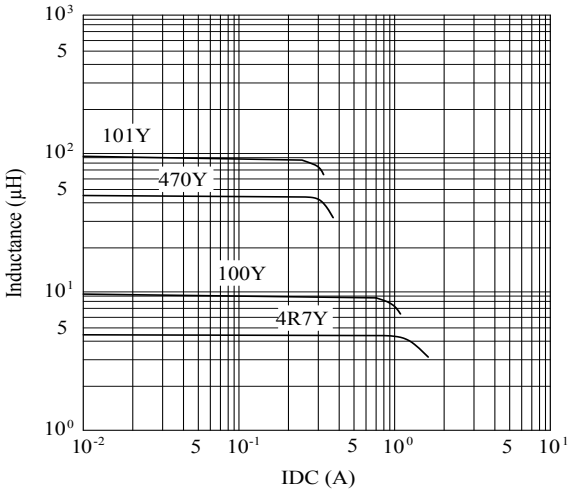
SU5016 Series

@ Inductance VS. DC Current Curve



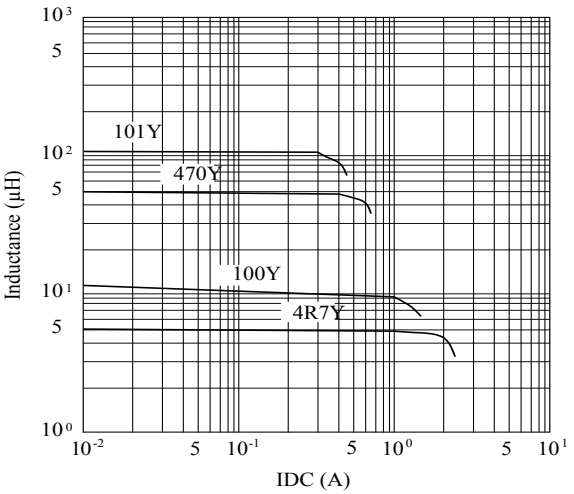
SU5018 Series

@ Inductance VS. DC Current Curve



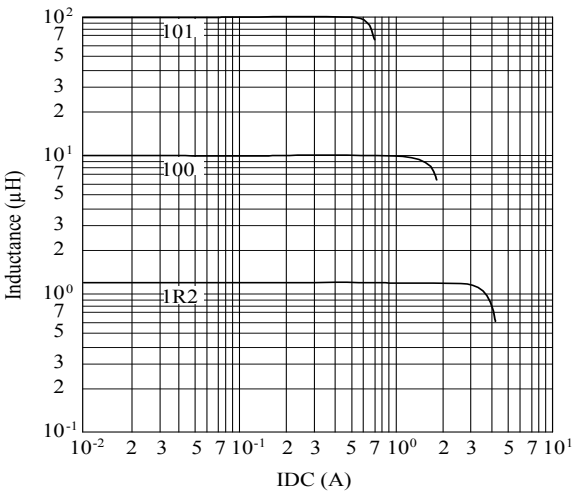
SU5028 Series

@ Inductance VS. DC Current Curve



SU6018 Series

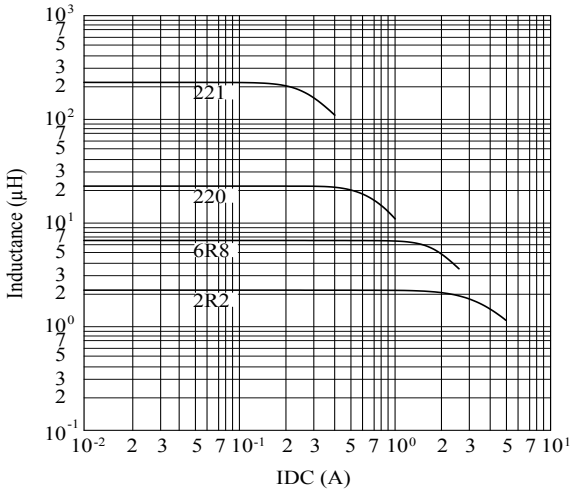
@ Inductance VS. DC Current Curve



SU

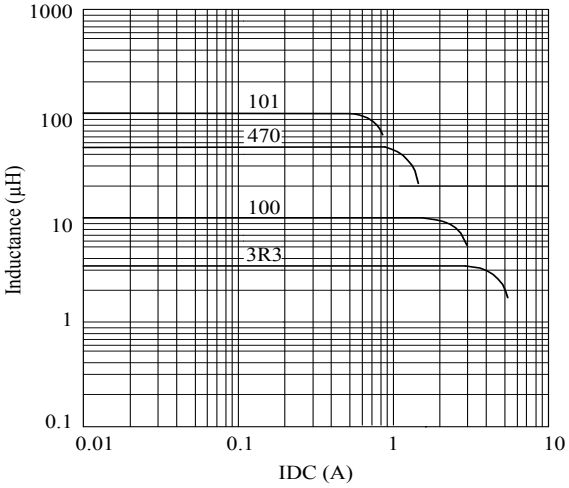
SU6025 Series

@ Inductance VS. DC Current Curve



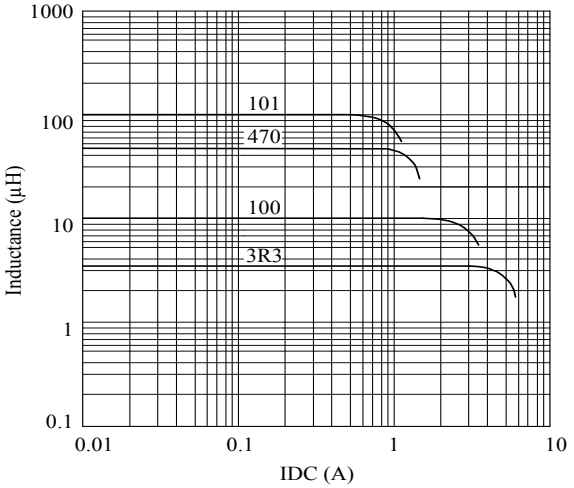
SU8030 Series

@ Inductance VS. DC Current Curve



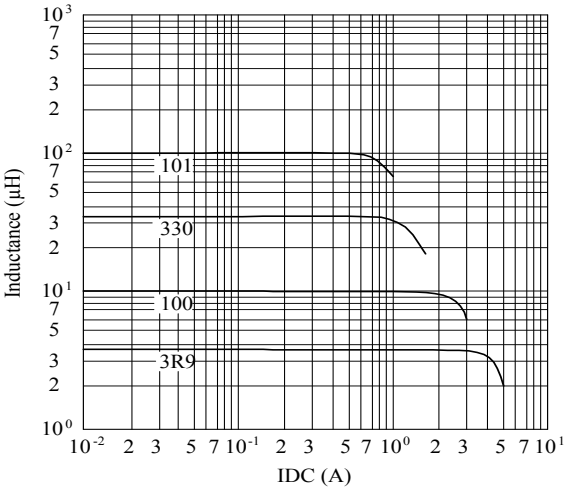
SU8040 Series

@ Inductance VS. DC Current Curve



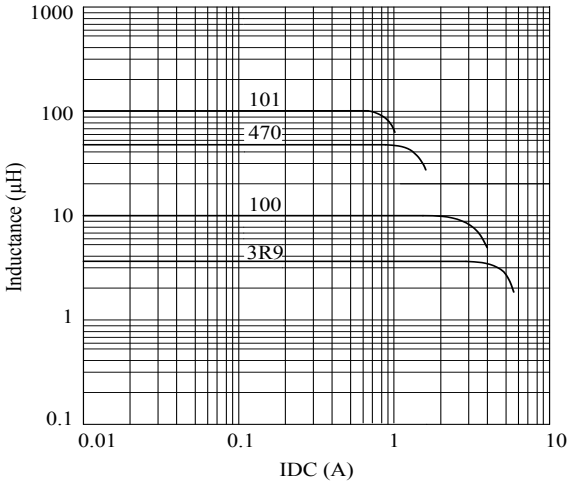
SU8043 Series

@ Inductance VS. DC Current Curve



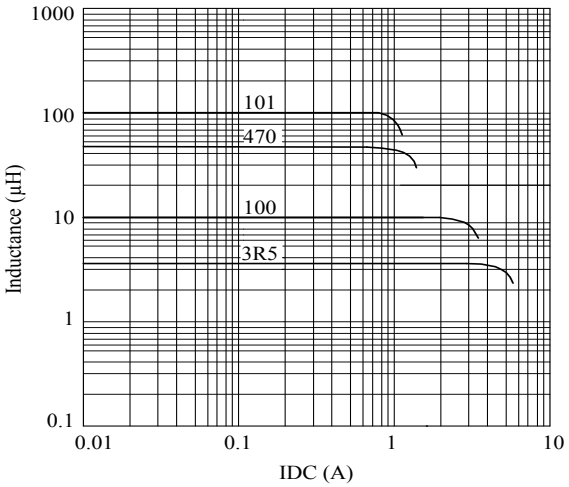
SU8058 Series

@ Inductance VS. DC Current Curve



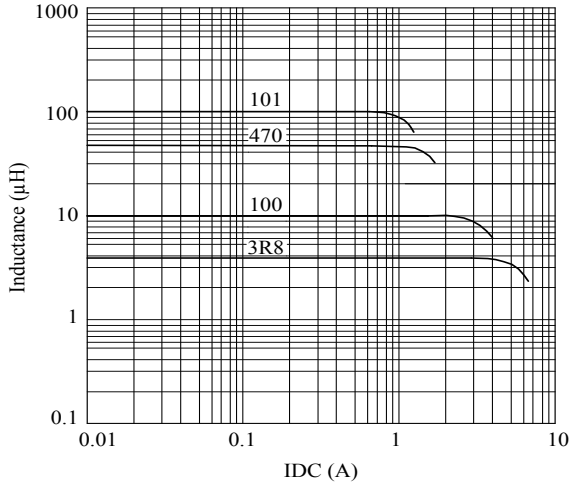
SU1030 Series

@ Inductance VS. DC Current Curve



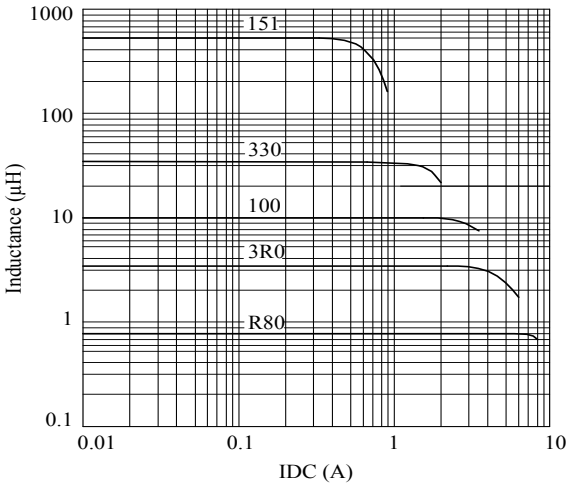
SU1040 Series

@ Inductance VS. DC Current Curve



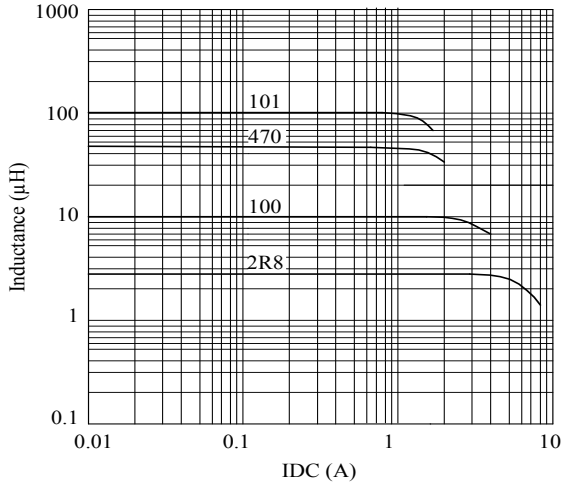
SU1048 Series

@ Inductance VS. DC Current Curve



SU1065 Series

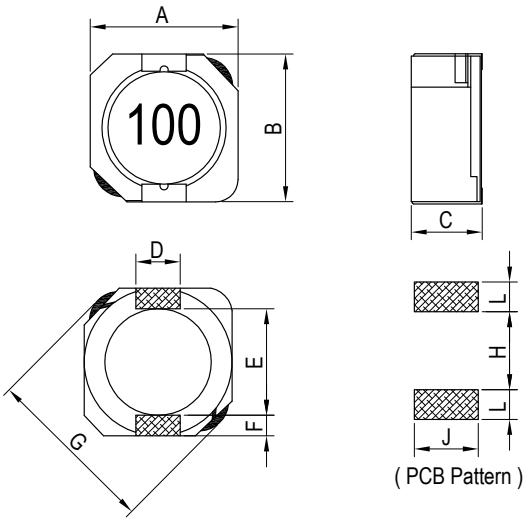
@ Inductance VS. DC Current Curve



CU SERIES

8030 / 8043 / 8048 / 1038 / 1048 / 1206

General



Unit: mm

Series	A	B	C	D	E	F	G	H	J	L
CU8030	8.00±0.30	8.20±0.30	2.80±0.30	2.40±0.30	6.40±0.40	1.00±0.15	10.00 ref.	6.00 ref.	2.60 ref.	1.30 ref.
CU8043	8.00±0.30	8.20±0.30	4.40±0.30	2.40±0.20	6.40±0.30	0.92±0.10	10.00 ref.	6.10 ref.	2.60 ref.	1.20 ref.
CU8048	8.00±0.30	8.20±0.30	4.80±0.30	2.40±0.30	6.40±0.40	0.92±0.10	10.00 ref.	6.00 ref.	2.60 ref.	1.30 ref.
CU1038	10.00±0.30	10.2±0.30	3.80±0.30	3.00±0.30	7.80±0.30	1.20±0.15	13.50 ref.	7.30 ref.	3.20 ref.	1.60 ref.
CU1048	10.00±0.30	10.20±0.30	4.80±0.30	3.00±0.30	7.80±0.40	1.20±0.15	13.00 ref.	7.30 ref.	3.20 ref.	1.60 ref.
CU1206	12.00±0.40	12.40±0.40	5.80±0.30	3.60±0.30	9.80±0.40	1.30±0.30	14.50 ref.	8.80 ref.	3.80 ref.	1.70 ref.

Features

- Magnetic shielding allows high-density mounting
- High current handling capability
- Operating temp.: -40°C ~ +125°C (including self-temperature rise)
- CU1048: Operating temp.: -55°C ~ +125°C (including self-temperature rise)

compliant RoHS RoHS & HF compliant

Application

- DC-DC converters
- Buck-boost regulators

CU8030 Series					
DWG. No.	Inductance (µH)	RDC (mΩ)		Isat (A) typ.	Irms (A) typ.
		typ.	max.		
CU80303R3YL□-□□□	3.3±30%	18.6	22.0	4.60	4.80
CU80304R7YL□-□□□	4.7±30%	21.5	30.0	4.00	4.20
CU80306R8YL□-□□□	6.8±30%	34.1	46.0	3.20	3.40
CU8030100YL□-□□□	10.0±30%	43.5	60.0	2.60	2.80
CU8030150YL□-□□□	15.0±30%	70.8	100.0	2.00	2.20
CU8030220YL□-□□□	22.0±30%	104.0	130.0	1.75	1.85
CU8030330YL□-□□□	33.0±30%	148.0	180.0	1.45	1.50
CU8030470YL□-□□□	47.0±30%	228.0	260.0	1.25	1.30
CU8030680YL□-□□□	68.0±30%	294.0	315.0	1.00	1.10
CU8030101YL□-□□□	100.0±30%	435.0	520.0	0.75	0.85

CU8043 Series					
DWG. No.	Inductance (µH)	RDC (mΩ)		Isat (A) typ.	Irms (A) typ.
		typ.	max.		
CU8043R47YL□ -□□□	0.47±30%	6.50	8.50	9.00	8.65
CU80431R0YL□ -□□□	1.0±30%	8.65	11.00	8.10	7.30
CU80432R2YL□ -□□□	2.2±30%	12.50	16.00	6.10	6.10
CU80433R3YL□ -□□□	3.3±30%	14.80	20.00	5.20	5.60
CU80434R7YL□ -□□□	4.7±30%	17.20	23.00	4.50	5.15
CU80436R8YL□ -□□□	6.8±30%	23.60	31.00	3.70	4.50
CU8043100ML□ -□□□	10.0±20%	31.50	41.00	3.15	3.80
CU8043150ML□ -□□□	15.0±20%	44.80	58.00	2.60	3.10
CU8043220ML□ -□□□	22.0±20%	65.30	85.00	2.05	2.60
CU8043330ML□-□□□	33.0±20%	89.10	116.00	1.70	2.25
CU8043470ML□-□□□	47.0±20%	132.00	170.00	1.40	1.80
CU8043680ML□ -□□□	68.0±20%	195.00	235.00	1.20	1.45
CU8043101ML□ -□□□	100.0±20%	289.00	347.00	1.00	1.20

CU8048 Series					
DWG. No.	Inductance (µH)	RDC (mΩ)		Isat (A) typ.	Irms (A) typ.
		typ.	max.		
CU8048100YL□-□□□	10.0±30%	30.0	40.0	3.10	3.50
CU8048150YL□-□□□	15.0±30%	35.0	46.0	2.60	3.10
CU8048180YL□-□□□	18.0±30%	41.0	54.0	2.10	3.00
CU8048220YL□-□□□	22.0±30%	51.0	66.0	2.00	2.70
CU8048330YL□-□□□	33.0±30%	73.0	91.0	1.70	2.10
CU8048470YL□-□□□	47.0±30%	97.0	121.0	1.50	1.80
CU8048680YL□-□□□	68.0±30%	122.0	153.0	1.20	1.50
CU8048820YL□-□□□	82.0±30%	163.0	204.0	1.10	1.40
CU8048101YL□-□□□	100.0±30%	190.0	237.0	1.00	1.20
CU8048121YL□-□□□	120.0±30%	245.0	307.0	0.90	1.10
CU8048151YL□-□□□	150.0±30%	308.0	385.0	0.80	0.85
CU8048181YL□-□□□	180.0±30%	379.0	455.0	0.70	0.80
CU8048221YL□-□□□	220.0±30%	427.0	513.0	0.65	0.70
CU8048331YL□-□□□	330.0±30%	704.0	845.0	0.55	0.65
CU8048471YL□-□□□	470.0±30%	1040.0	1250.0	0.45	0.50
CU8048561YL□-□□□	560.0±30%	1260.0	1512.0	0.40	0.45
CU8048821YL□-□□□	820.0±30%	1817.0	2180.0	0.35	0.40
CU8048102YL□-□□□	1000.0±30%	2297.0	2757.0	0.25	0.30

CU1038 Series					
DWG. No.	Inductance (μH)	RDC (mΩ)		Isat (A) typ.	Irms (A) typ.
		typ.	max.		
CU10383R3YL□-□□□	3.3±30%	10.6	14.0	8.00	7.00
CU10385R6YL□-□□□	5.6±30%	18.4	24.0	6.00	5.00
CU1038100YL□-□□□	10.0±30%	30.5	40.0	4.40	4.00
CU1038120YL□-□□□	12.0±30%	36.0	47.0	4.10	3.70
CU1038150YL□-□□□	15.0±30%	40.7	53.0	3.80	3.50
CU1038180YL□-□□□	18.0±30%	49.0	64.0	3.50	3.00
CU1038220YL□-□□□	22.0±30%	60.5	80.0	3.10	2.70
CU1038270YL□-□□□	27.0±30%	70.0	92.0	2.60	2.50
CU1038330YL□-□□□	33.0±30%	84.0	110.0	2.50	2.20
CU1038390YL□-□□□	39.0±30%	106.0	138.0	2.30	2.00
CU1038470YL□-□□□	47.0±30%	118.0	147.5	2.10	1.80
CU1038560YL□-□□□	56.0±30%	150.0	187.0	1.90	1.60
CU1038680YL□-□□□	68.0±30%	172.0	215.0	1.80	1.50
CU1038820YL□-□□□	82.0±30%	200.0	250.0	1.60	1.40
CU1038101YL□-□□□	100.0±30%	260.0	324.5	1.50	1.25
CU1038121YL□-□□□	120.0±30%	310.0	386.0	1.30	1.10
CU1038151YL□-□□□	150.0±30%	360.5	450.0	1.20	1.00
CU1038181YL□-□□□	180.0±30%	450.0	560.0	1.10	0.90
CU1038221YL□-□□□	220.0±30%	555.0	694.0	1.00	0.80
CU1038271YL□-□□□	270.0±30%	680.0	817.5	0.90	0.70
CU1038331YL□-□□□	330.0±30%	850.0	1020.0	0.80	0.60

CU1048 Series					
DWG. No.	Inductance (μH)	RDC (mΩ)		Isat (A) typ.	Irms (A) typ.
		typ.	max.		
CU1048R80YF□-□□□	0.8±30%	3.7	5.0	13.5	9.50
CU10481R5YF□-□□□	1.5±30%	4.9	7.0	10.5	8.30
CU10482R2YF□-□□□	2.2±30%	5.8	8.0	8.20	7.20
CU10483R3YF□-□□□	3.3±30%	7.9	11.0	7.80	6.50
CU10484R7YF□-□□□	4.7±30%	10.4	14.1	6.40	6.10
CU10486R8YF□-□□□	6.8±30%	14.0	19.0	5.40	5.40
CU10488R2YF□-□□□	8.2±30%	17.0	22.0	4.85	5.00
CU1048100YF□-□□□	10.0±30%	23.0	31.0	4.45	4.50
CU1048120YF□-□□□	12.0±30%	26.0	35.0	4.00	3.80
CU1048150YF□-□□□	15.0±30%	35.0	47.0	3.60	3.40
CU1048180YF□-□□□	18.0±30%	38.0	51.0	3.20	3.10
CU1048220YF□-□□□	22.0±30%	46.0	62.0	2.95	2.90
CU1048270YF□-□□□	27.0±30%	57.0	77.0	2.70	2.60
CU1048330YF□-□□□	33.0±30%	69.0	93.0	2.40	2.50
CU1048390YF□-□□□	39.0±30%	79.0	106.0	2.30	2.25
CU1048470YF□-□□□	47.0±30%	94.0	127.0	2.00	2.00
CU1048560YF□-□□□	56.0±30%	124.0	160.0	1.90	1.90
CU1048680YF□-□□□	68.0±30%	138.0	208.0	1.65	1.60
CU1048820YF□-□□□	82.0±30%	150.0	230.0	1.50	1.45
CU1048101YF□-□□□	100.0±30%	179.0	255.0	1.35	1.35
CU1048121YF□-□□□	120.0±30%	213.0	305.0	1.28	1.18
CU1048151YF□-□□□	150.0±30%	253.0	370.0	1.12	1.10
CU1048181YF□-□□□	180.0±30%	307.0	420.0	1.04	1.00
CU1048221YF□-□□□	220.0±30%	373.0	500.0	0.94	0.94
CU1048271YF□-□□□	270.0±30%	491.0	675.0	0.84	0.80
CU1048331YF□-□□□	330.0±30%	613.0	815.0	0.75	0.73

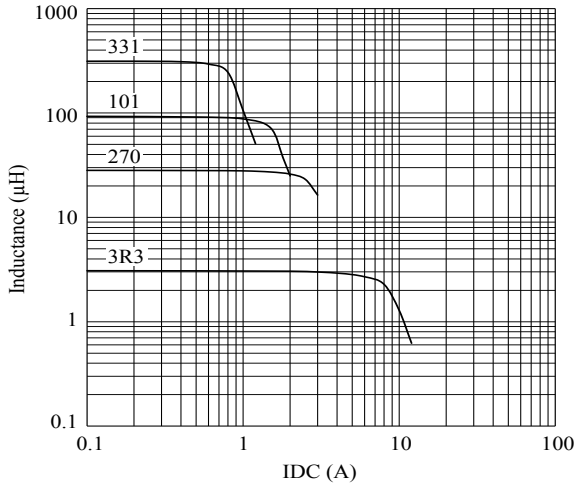
• All specifications are subject to change without notice.

CU1206 Series					
DWG. No.	Inductance (μH)	RDC (mΩ)		Isat (A) typ.	Irms (A) typ.
		typ.	max.		
CU12061R5ML□-□□□	1.5±20%	4.7	6.2	9.50	11.50
CU12063R9ML□-□□□	3.9±20%	8.3	11.0	7.50	8.00
CU12065R6ML□-□□□	5.6±20%	9.6	13.0	6.50	7.50
CU12067R6ML□-□□□	7.6±20%	11.6	15.0	5.80	6.80
CU1206100ML□-□□□	10.0±20%	14.9	20.0	5.20	6.00
CU1206120ML□-□□□	12.0±20%	16.6	22.0	4.65	5.60
CU1206150ML□-□□□	15.0±20%	20.4	27.0	4.20	5.00
CU1206180ML□-□□□	18.0±20%	23.6	31.0	3.80	4.70
CU1206220ML□-□□□	22.0±20%	24.5	33.0	3.50	4.50
CU1206270ML□-□□□	27.0±20%	34.0	44.0	3.10	3.80
CU1206330ML□-□□□	33.0±20%	39.7	52.0	2.80	3.60
CU1206390ML□-□□□	39.0±20%	42.7	56.0	2.65	3.45
CU1206470ML□-□□□	47.0±20%	52.5	68.0	2.30	3.10
CU1206560ML□-□□□	56.0±20%	63.4	83.0	2.00	2.80
CU1206680ML□-□□□	68.0±20%	70.0	91.0	1.85	2.60
CU1206820ML□-□□□	82.0±20%	87.1	115.0	1.70	2.30
CU1206101ML□-□□□	100.0±20%	99.1	130.0	1.50	2.15
CU1206121ML□-□□□	120.0±20%	118.3	160.0	1.40	1.95
CU1206151ML□-□□□	150.0±20%	159.5	210.0	1.20	1.65
CU1206181ML□-□□□	180.0±20%	194.0	250.0	1.10	1.50
CU1206221ML□-□□□	220.0±20%	219.0	270.0	1.00	1.40
CU1206271ML□-□□□	270.0±20%	275.0	330.0	0.95	1.20
CU1206331ML□-□□□	330.0±20%	305.0	360.0	0.90	1.10
CU1206391ML□-□□□	390.0±20%	349.0	420.0	0.85	1.00
CU1206471ML□-□□□	470.0±20%	428.0	520.0	0.75	0.95
CU1206561ML□-□□□	560.0±20%	541.0	650.0	0.70	0.85
CU1206681ML□-□□□	680.0±20%	677.0	780.0	0.65	0.75
CU1206821ML□-□□□	820.0±20%	767.0	880.0	0.55	0.70
CU1206102ML□-□□□	1000.0±20%	1005.0	1100.0	0.50	0.60

1. Electrical specifications at 25°C
2. Inductance Test Condition.: 100kHz / 0.1V
3. Irms base on Temp. rise 40°C typ.
4. Isat base on ΔL/L0A=35% typ.

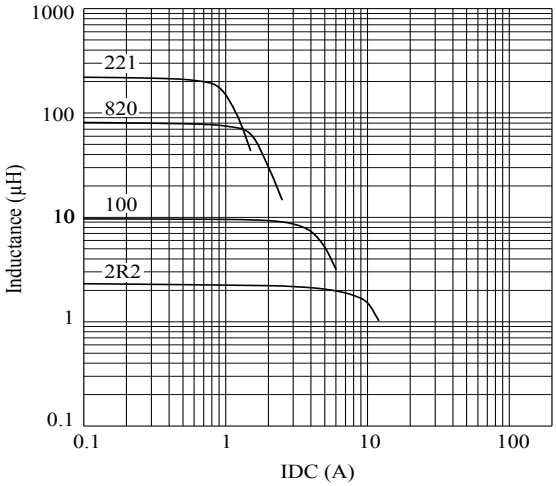
CU8030 Series

@ Inductance VS. DC Current Curve



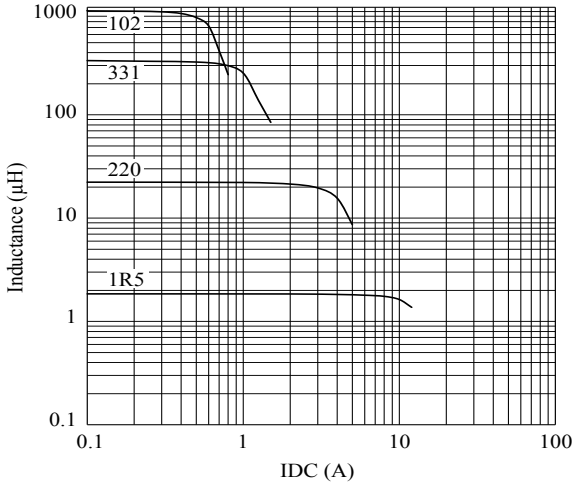
CU8043 Series

@ Inductance VS. DC Current Curve



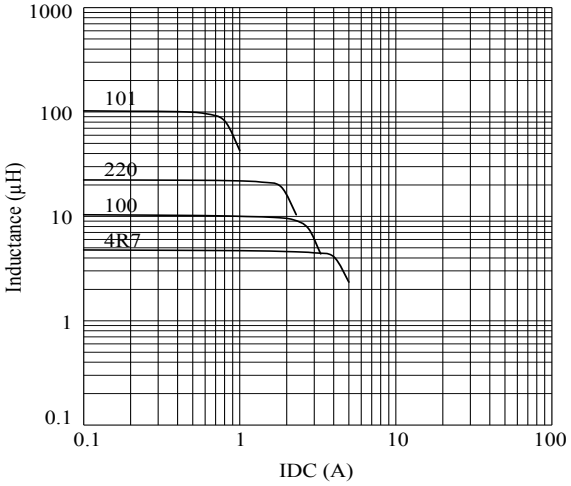
CU8048 Series

@ Inductance VS. DC Current Curve



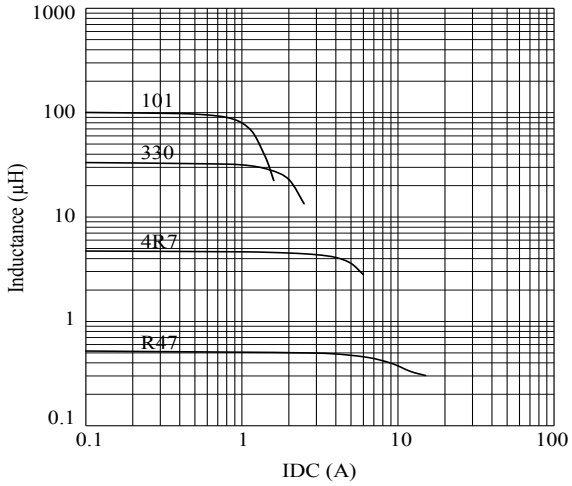
CU1038 Series

@ Inductance VS. DC Current Curve



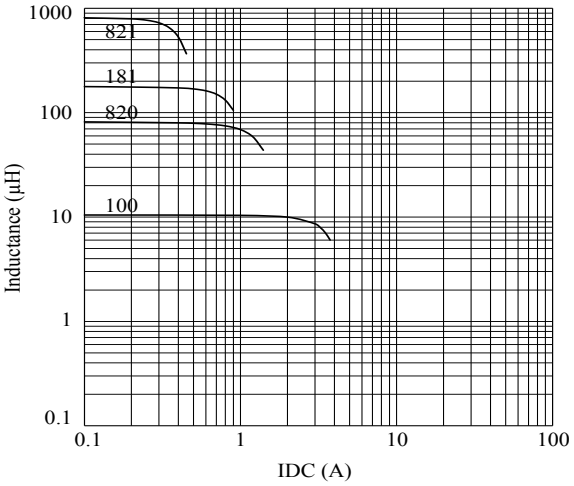
CU1048 Series

@ Inductance VS. DC Current Curve



CU1206 Series

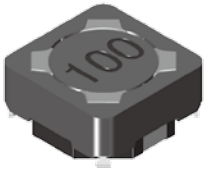
@ Inductance VS. DC Current Curve

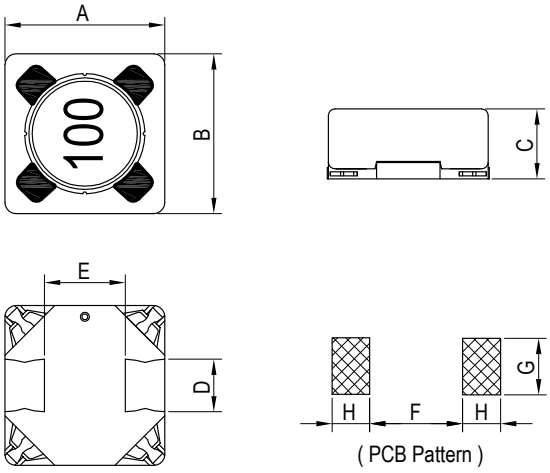


BS SERIES

0703 / 0704

High Inductance





Unit: mm

Series	A	B	C	D	E	F	G	H
BS0703	7.30±0.20	7.30±0.20	3.50±0.20	2.00 typ.	4.60 typ.	4.80 ref.	2.40 ref.	1.50 ref.
BS0704	7.30±0.20	7.30±0.20	4.50±0.20	2.00 typ.	4.60 typ.	4.80 ref.	2.40 ref.	1.50 ref.

Features

- Plastic base offers good co-planarity
- Low RDC
- High current handling capability
- Operating temp.: -40°C ~ +125°C (including self-temperature rise)

compliant RoHS

RoHS & HF compliant

Application

- DC-DC converters

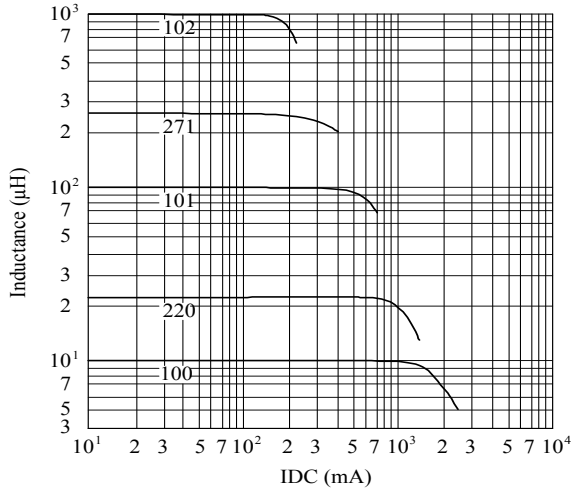
BS0703 Series					
DWG. No.	Inductance (μH)	Test Freq. (Hz)	RDC (Ω) max.	Isat (A)	Irms (A)
BS0703100MS□-□□□	10.0±20%	1k/1V	0.072	1.85	2.10
BS0703120MS□-□□□	12.0±20%	1k/1V	0.085	1.60	1.90
BS0703150MS□-□□□	15.0±20%	1k/1V	0.105	1.52	1.60
BS0703180MS□-□□□	18.0±20%	1k/1V	0.125	1.40	1.40
BS0703220MS□-□□□	22.0±20%	1k/1V	0.160	1.28	1.20
BS0703270MS□-□□□	27.0±20%	1k/1V	0.185	1.15	1.10
BS0703330MS□-□□□	33.0±20%	1k/1V	0.220	1.04	1.00
BS0703390MS□-□□□	39.0±20%	1k/1V	0.250	0.96	0.95
BS0703470MS□-□□□	47.0±20%	1k/1V	0.320	0.88	0.85
BS0703560MS□-□□□	56.0±20%	1k/1V	0.350	0.80	0.78
BS0703680MS□-□□□	68.0±20%	1k/1V	0.400	0.74	0.72
BS0703820MS□-□□□	82.0±20%	1k/1V	0.480	0.65	0.63
BS0703101MS□-□□□	100.0±20%	1k/1V	0.630	0.60	0.54
BS0703121MS□-□□□	120.0±20%	1k/1V	0.720	0.55	0.53
BS0703151MS□-□□□	150.0±20%	1k/1V	0.930	0.48	0.47
BS0703181MS□-□□□	180.0±20%	1k/1V	1.150	0.45	0.43
BS0703221MS□-□□□	220.0±20%	1k/1V	1.320	0.42	0.40
BS0703271MS□-□□□	270.0±20%	1k/1V	1.700	0.38	0.37
BS0703331MS□-□□□	330.0±20%	1k/1V	2.000	0.33	0.33
BS0703391MS□-□□□	390.0±20%	1k/1V	2.300	0.30	0.30
BS0703471MS□-□□□	470.0±20%	1k/1V	2.800	0.27	0.26
BS0703561MS□-□□□	560.0±20%	1k/1V	3.500	0.25	0.23
BS0703681MS□-□□□	680.0±20%	1k/1V	4.000	0.22	0.21
BS0703821MS□-□□□	820.0±20%	1k/1V	5.200	0.21	0.19
BS0703102MS□-□□□	1000.0±20%	1k/1V	5.800	0.18	0.17

BS0704 Series					
DWG. No.	Inductance (μH)	Test Freq. (Hz)	RDC (Ω) max.	Isat (A)	Irms (A)
BS07041R0MS□-□□□	1.0±20%	1k/1V	0.013	5.60	5.00
BS07042R2MS□-□□□	2.2±20%	1k/1V	0.018	5.00	4.20
BS07043R3MS□-□□□	3.3±20%	1k/1V	0.022	4.40	3.80
BS07044R7MS□-□□□	4.7±20%	1k/1V	0.028	4.00	3.60
BS07045R6MS□-□□□	5.6±20%	1k/1V	0.032	3.40	3.00
BS07046R8MS□-□□□	6.8±20%	1k/1V	0.040	3.20	2.80
BS0704100MS□-□□□	10.0±20%	1k/1V	0.052	2.50	2.10
BS0704120MS□-□□□	12.0±20%	1k/1V	0.062	2.30	2.00
BS0704150MS□-□□□	15.0±20%	1k/1V	0.075	2.10	1.90
BS0704180MS□-□□□	18.0±20%	1k/1V	0.090	1.95	1.80
BS0704220MS□-□□□	22.0±20%	1k/1V	0.096	1.75	1.65
BS0704270MS□-□□□	27.0±20%	1k/1V	0.130	1.62	1.45
BS0704330MS□-□□□	33.0±20%	1k/1V	0.150	1.45	1.35
BS0704390MS□-□□□	39.0±20%	1k/1V	0.190	1.30	1.17
BS0704470MS□-□□□	47.0±20%	1k/1V	0.210	1.20	1.05
BS0704560MS□-□□□	56.0±20%	1k/1V	0.240	1.10	0.95
BS0704680MS□-□□□	68.0±20%	1k/1V	0.300	0.96	0.86
BS0704820MS□-□□□	82.0±20%	1k/1V	0.400	0.90	0.78
BS0704101MS□-□□□	100.0±20%	1k/1V	0.450	0.78	0.70
BS0704121MS□-□□□	120.0±20%	1k/1V	0.550	0.70	0.60
BS0704151MS□-□□□	150.0±20%	1k/1V	0.760	0.58	0.48
BS0704181MS□-□□□	180.0±20%	1k/1V	0.820	0.54	0.46
BS0704221MS□-□□□	220.0±20%	1k/1V	0.950	0.50	0.42
BS0704271MS□-□□□	270.0±20%	1k/1V	1.200	0.46	0.38
BS0704331MS□-□□□	330.0±20%	1k/1V	1.500	0.40	0.34
BS0704391MS□-□□□	390.0±20%	1k/1V	1.850	0.36	0.32
BS0704471MS□-□□□	470.0±20%	1k/1V	2.200	0.34	0.29
BS0704561MS□-□□□	560.0±20%	1k/1V	2.600	0.30	0.26
BS0704681MS□-□□□	680.0±20%	1k/1V	2.800	0.28	0.24
BS0704821MS□-□□□	820.0±20%	1k/1V	3.500	0.26	0.22
BS0704102MS□-□□□	1000.0±20%	1k/1V	4.100	0.24	0.20

1. Electrical specifications at 25°C
2. Inductance Test Freq :1kHz /1V
3. Isat base on ΔL / L0A=25% max.
4. Irms base on Temp. rise 40°C max.

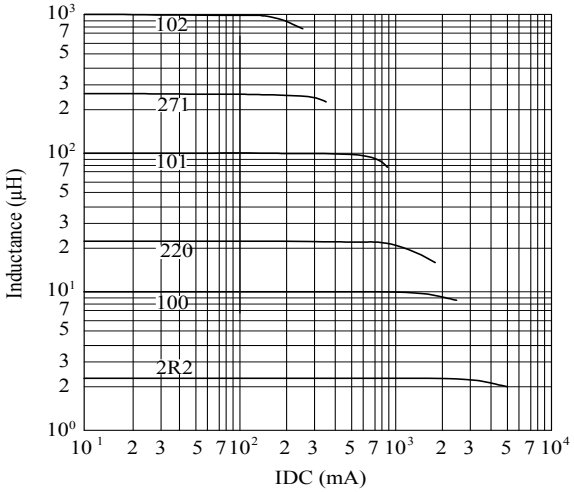
BS0703 Series

@ Inductance VS. DC Current Curve



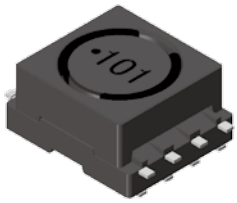
BS0704 Series

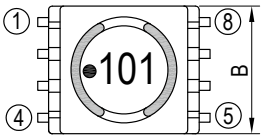
@ Inductance VS. DC Current Curve

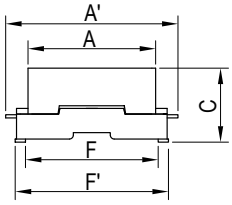


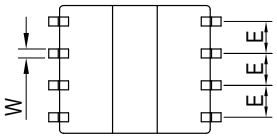
BS SERIES 0906

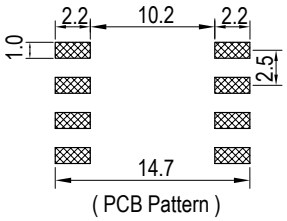
High Inductance











Unit: mm

Series	A	A'	B	C	E	F	F'	W
BS0906	9.90±0.20	13.50±0.30	10.50 max.	6.00±0.30	2.50±0.20	10.40±0.20	12.70±0.60	0.70 typ.

Features

- Plastic base offers good co-planarity
- Low RDC
- High current handling capability
- Operating temp.: -40°C ~ +125°C (including self-temperature rise)

compliant RoHS

RoHS & HF compliant

Application

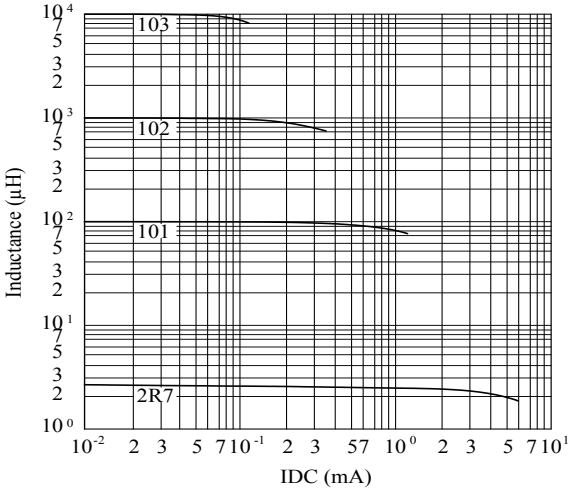
- DC-DC converters

BS0906 Series							
DWG. No.	Inductance (μH)	Q ref.	Test Freq. (MHz)	SRF (MHz) typ.	RDC (Ω) max.	Isat (A) typ.	Irms (A) typ.
BS09062R7ML□-□□□	2.7±20%	23	7.960	88.0	0.040	4.90	3.20
BS09063R5ML□-□□□	3.5±20%	23	7.960	85.0	0.045	4.40	2.90
BS09064R7ML□-□□□	4.7±20%	23	7.960	75.0	0.050	3.90	2.70
BS09065R6ML□-□□□	5.6±20%	23	7.960	58.0	0.055	3.50	2.60
BS09066R8ML□-□□□	6.8±20%	23	7.960	42.0	0.060	3.30	2.40
BS09068R2ML□-□□□	8.2±20%	23	7.960	28.0	0.065	3.00	2.30
BS0906100ML□-□□□	10.0±20%	50	2.520	27.0	0.080	2.65	2.10
BS0906120ML□-□□□	12.0±20%	50	2.520	24.0	0.085	2.40	2.00
BS0906150ML□-□□□	15.0±20%	50	2.520	23.0	0.100	2.30	1.90
BS0906180ML□-□□□	18.0±20%	50	2.520	20.0	0.115	2.00	1.70
BS0906220ML□-□□□	22.0±20%	50	2.520	17.0	0.125	1.85	1.60
BS0906270ML□-□□□	27.0±20%	50	2.520	16.0	0.135	1.65	1.50
BS0906330ML□-□□□	33.0±20%	50	2.520	15.0	0.150	1.50	1.45
BS0906390ML□-□□□	39.0±20%	50	2.520	13.0	0.165	1.35	1.40
BS0906470ML□-□□□	47.0±20%	50	2.520	12.0	0.190	1.25	1.30
BS0906560ML□-□□□	56.0±20%	50	2.520	8.8	0.290	1.20	1.00
BS0906680ML□-□□□	68.0±20%	50	2.520	8.3	0.320	1.10	0.88
BS0906820ML□-□□□	82.0±20%	50	2.520	7.4	0.350	1.00	0.85
BS0906101YL□-□□□	100.0±15%	40	0.796	6.7	0.400	0.90	0.82
BS0906121YL□-□□□	120.0±15%	40	0.796	6.2	0.460	0.80	0.75
BS0906151YL□-□□□	150.0±15%	40	0.796	5.8	0.500	0.70	0.70
BS0906181YL□-□□□	180.0±15%	40	0.796	4.8	0.780	0.65	0.55
BS0906221YL□-□□□	220.0±15%	40	0.796	4.4	0.870	0.60	0.53
BS0906271YL□-□□□	270.0±15%	40	0.796	4.2	0.990	0.55	0.48
BS0906331YL□-□□□	330.0±15%	40	0.796	3.9	1.110	0.50	0.46
BS0906391YL□-□□□	390.0±15%	40	0.796	3.5	1.240	0.45	0.45
BS0906471YL□-□□□	470.0±15%	40	0.796	3.3	1.370	0.41	0.43
BS0906561YL□-□□□	560.0±15%	40	0.796	3.1	1.610	0.37	0.40
BS0906681YL□-□□□	680.0±15%	60	0.796	2.8	2.780	0.35	0.29
BS0906821YL□-□□□	820.0±15%	60	0.796	2.2	3.070	0.32	0.27
BS0906102YL□-□□□	1000.0±15%	100	0.252	2.1	3.440	0.29	0.26
BS0906122YL□-□□□	1200.0±15%	100	0.252	1.8	3.920	0.26	0.25
BS0906152YL□-□□□	1500.0±15%	100	0.252	1.7	4.290	0.23	0.22
BS0906182YL□-□□□	1800.0±15%	100	0.252	1.6	6.340	0.22	0.19
BS0906222YL□-□□□	2200.0±15%	100	0.252	1.5	7.220	0.18	0.18
BS0906272YL□-□□□	2700.0±15%	100	0.252	1.4	7.990	0.17	0.17
BS0906332YL□-□□□	3300.0±15%	100	0.252	1.3	9.230	0.16	0.16
BS0906392YL□-□□□	3900.0±15%	100	0.252	1.1	14.290	0.15	0.12
BS0906472YL□-□□□	4700.0±15%	100	0.252	1.0	16.140	0.14	0.11
BS0906562YL□-□□□	5600.0±15%	100	0.252	1.0	17.940	0.13	0.10
BS0906682YL□-□□□	6800.0±15%	100	0.252	0.9	20.700	0.11	0.09
BS0906822YL□-□□□	8200.0±15%	100	0.252	0.9	27.510	0.10	0.08
BS0906103YL□-□□□	10000.0±15%	100	0.0796	0.9	32.970	0.08	0.07

1. Electrical specifications at 25°C
2. Inductance Test Condition.: 1kHz / 0.1V
3. Isat base on ΔL/L0A=10% max.
4. Irms base on Temp. rise 40°C typ.

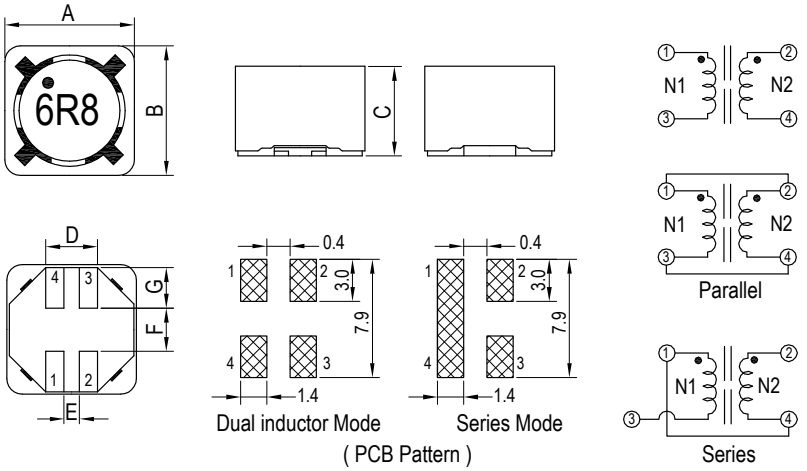
BS0906 Series

@ Inductance VS. DC Current Curve



BF SERIES 0703

Coupled



Unit: mm

Series	A	B	C	D	E	F	G
BF0703	7.60 max.	7.60 max.	3.40±0.20	2.60 typ.	1.00 typ.	2.70 typ.	2.10±0.50

Features

- Tight winding coupling
- The series can also be used as two single inductors connected in series or parallel, as a common mode choke or as a 1 : 1 transformer.
- High inductance, high efficiency and excellent current handling.
- Operating temp.: -40°C ~ +125°C (including self-temperature rise)

compliant RoHS RoHS & HF compliant

Application

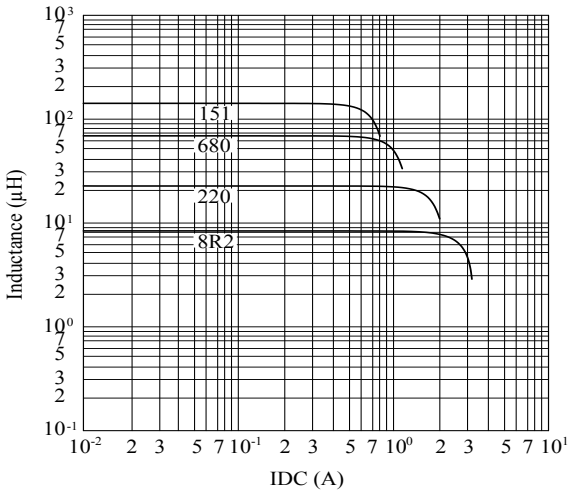
- As a transformer: SEPIC, flyback
- As an inductor: buck, boost, coupled inductor
- DC-DC converters
- Input and output filter chokes

BF0703 Series								
DWG. No.	Parallel Ratings				Series Ratings			
	Inductance (µH)	RDC (mΩ) max.	Isat (A) typ.	Irms (A) typ.	Inductance (µH)	RDC (mΩ) max.	Isat (A) typ.	Irms (A) typ.
BF0703R33MS□-□□□	0.33±20%	9.2	14.40	6.19	1.34±20%	40	7.18	3.100
BF07031R0MS□-□□□	1.00±20%	13.5	7.97	5.25	3.86±20%	72	3.99	2.630
BF07031R5MS□-□□□	1.50±20%	19.1	6.52	4.64	5.83±20%	110	3.26	2.320
BF07032R2MS□-□□□	2.20±20%	21.7	5.52	4.11	8.13±20%	132	2.76	2.060
BF07033R3MS□-□□□	3.30±20%	31.6	4.22	3.31	13.60±20%	182	2.11	1.660
BF07034R7MS□-□□□	4.70±20%	40.6	3.78	3.09	17.10±20%	242	1.89	1.550
BF07036R8MS□-□□□	6.80±20%	65.8	3.12	2.55	25.50±20%	285	1.56	1.280
BF07038R2MS□-□□□	8.20±20%	77.2	2.66	2.19	34.10±20%	306	1.33	1.100
BF0703100MS□-□□□	10.00±20%	82.6	2.47	2.08	39.60±20%	342	1.24	1.040
BF0703150MS□-□□□	15.00±20%	119.0	2.05	1.83	59.60±20%	470	1.03	0.916
BF0703220MS□-□□□	22.00±20%	150.0	1.67	1.62	89.50±20%	620	0.83	0.811
BF0703330MS□-□□□	33.00±20%	240.0	1.35	1.31	140.50±20%	1000	0.68	0.653
BF0703470MS□-□□□	47.00±20%	338.0	1.14	1.08	194.20±20%	1280	0.57	0.542
BF0703680MS□-□□□	68.00±20%	507.0	0.96	0.89	289.30±20%	1920	0.48	0.444
BF0703820MS□-□□□	82.00±20%	610.0	0.89	0.86	324.70±20%	2280	0.44	0.430
BF0703101MS□-□□□	100.00±20%	715.0	0.79	0.73	397.60±20%	2640	0.39	0.367
BF0703151MS□-□□□	150.00±20%	986.0	0.65	0.58	608.20±20%	3630	0.32	0.289
BF0703221MS□-□□□	220.00±20%	1480.0	0.53	0.52	922.60±20%	5500	0.27	0.260
BF0703331MS□-□□□	330.00±20%	2160.0	0.44	0.42	1335.00±20%	8250	0.22	0.211
BF0703471MS□-□□□	470.00±20%	2820.0	0.37	0.35	1859.00±20%	11220	0.18	0.173
BF0703681MS□-□□□	680.00±20%	3960.0	0.31	0.29	2930.00±20%	16170	0.15	0.143
BF0703821MS□-□□□	820.00±20%	5010.0	0.28	0.27	3559.00±20%	20070	0.14	0.134
BF0703102MS□-□□□	1000.00±20%	6110.0	0.25	0.26	4120.00±20%	24420	0.13	0.128

1. Electrical specifications at 25°C
2. Inductance Test condition:100kHz / 0.25V
3. Isat base on ΔL/L0A=30% typ.
4. Irms base on Temp. rise 40°C typ.
5. Hi-pot test (N1 to N2): AC 300V / 60Hz , 3mA , 1 sec.

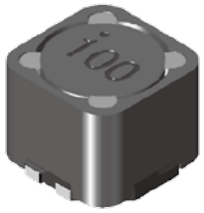
BF0703 Series

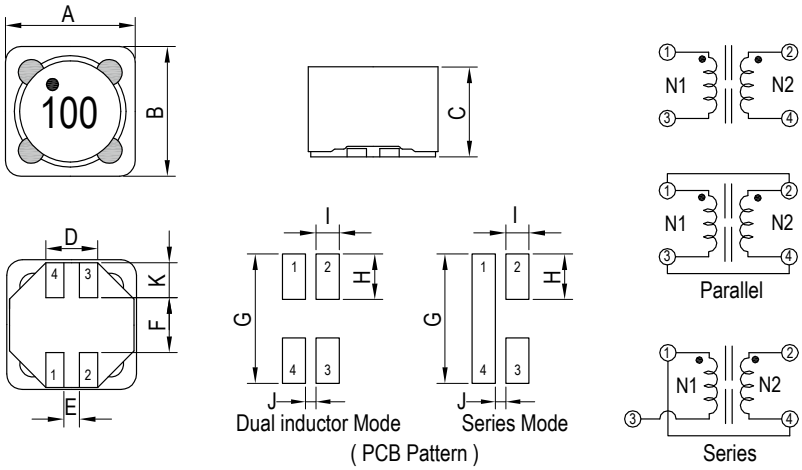
@ Inductance VS. DC Current Curve



SF SERIES 1258 / 1278

Coupled





Unit: mm

Series	A	B	C	D	E	F	K	G	H	I	J
SF1258	12.50 max.	12.50 max.	6.00±0.20	5.00±0.30	1.80±0.20	5.00±0.30	3.50±0.50	13.00 ref.	4.50 ref.	2.15 ref.	1.28 ref.
SF1278	12.50 max.	12.50 max.	8.00 max.	5.00±0.30	1.80±0.20	5.00±0.30	3.50±0.50	13.00 ref.	4.50 ref.	2.15 ref.	1.28 ref.

Features

- Tight winding coupling
- The series can also be used as two single inductors connected in series or parallel, as a common mode choke or as a 1 : 1 transformer.
- High inductance, high efficiency and excellent current handling.
- Operating temp.: -40°C ~ +125°C (including self-temperature rise)

compliant RoHS

RoHS & HF compliant

Application

- As a transformer: SEPIC, flyback
- As an inductor: buck, boost, coupled inductor
- DC-DC converters
- Input and output filter chokes

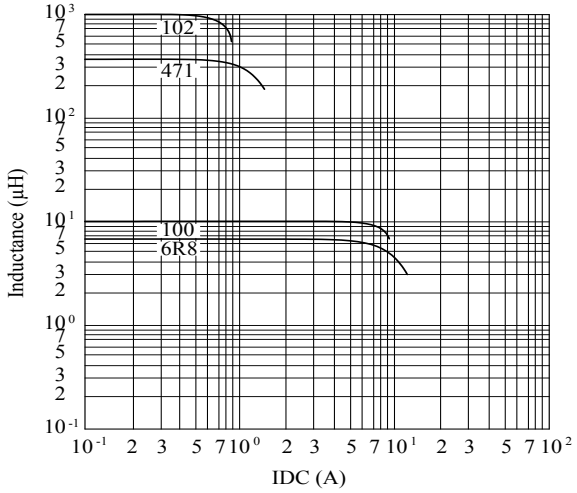
SF1258 Series								
DWG. No.	Parallel Ratings				Series Ratings			
	Inductance (µH)	RDC (mΩ) max.	Isat (A) typ.	Irms (A) typ.	Inductance (µH)	RDC (mΩ) max.	Isat (A) typ.	Irms (A) typ.
SF1258R47YS□-□□□	0.47±30%	5.3	33.00	17.60	1.824±30%	21.2	16.500	8.800
SF12581R0YS□-□□□	1.00±30%	6.2	23.60	15.00	3.576±30%	26.0	11.800	7.510
SF12581R5YS□-□□□	1.50±30%	7.3	18.30	13.80	5.912±30%	30.2	9.150	6.890
SF12582R2YS□-□□□	2.20±30%	8.5	15.00	10.90	8.832±30%	33.3	7.500	5.460
SF12583R3YS□-□□□	3.30±30%	10.1	12.70	9.26	12.340±30%	37.2	6.350	4.630
SF12584R7YS□-□□□	4.70±30%	13.7	9.71	7.18	21.100±30%	47.9	4.860	3.590
SF12586R8YS□-□□□	6.80±30%	18.6	8.68	6.64	26.350±30%	67.2	4.340	3.320
SF12588R2YS□-□□□	8.20±30%	19.4	7.86	5.54	32.190±30%	73.7	3.930	2.770
SF1258100MS□-□□□	10.00±20%	24.6	7.17	5.35	38.620±20%	93.4	3.590	2.670
SF1258150MS□-□□□	15.00±20%	32.9	5.69	4.27	61.400±20%	125.0	2.850	2.130
SF1258220MS□-□□□	22.00±20%	45.1	4.71	3.70	89.440±20%	172.0	2.360	1.840
SF1258330MS□-□□□	33.00±20%	61.8	3.84	3.28	135.000±20%	256.0	1.920	1.640
SF1258470MS□-□□□	47.00±20%	86.0	3.24	2.71	189.900±20%	340.0	1.620	1.350
SF1258680MS□-□□□	68.00±20%	116.5	2.70	2.22	271.600±20%	444.0	1.350	1.110
SF1258820MS□-□□□	82.00±20%	150.0	2.39	2.05	347.600±20%	568.0	1.200	1.030
SF1258101MS□-□□□	100.00±20%	171.3	2.20	1.78	410.800±20%	656.0	1.100	0.892
SF1258151MS□-□□□	150.00±20%	253.8	1.81	1.48	604.400±20%	972.0	0.905	0.739
SF1258221MS□-□□□	220.00±20%	354.0	1.51	1.19	867.200±20%	1416.0	0.755	0.594
SF1258331MS□-□□□	330.00±20%	574.0	1.22	1.06	1330.000±20%	2290.0	0.610	0.530
SF1258471MS□-□□□	470.00±20%	830.0	1.02	0.87	1892.000±20%	3197.0	0.510	0.434
SF1258681MS□-□□□	680.00±20%	1212.0	0.85	0.70	2719.000±20%	4635.0	0.425	0.350
SF1258821MS□-□□□	820.00±20%	1460.0	0.77	0.60	3312.000±20%	5363.0	0.385	0.301
SF1258102MS□-□□□	1000.00±20%	1854.0	0.70	0.57	4032.000±20%	6782.0	0.350	0.283

SF1278 Series								
DWG. No.	Parallel Ratings				Series Ratings			
	Inductance (μH)	RDC (mΩ) max.	Isat (A) typ.	Irms (A) typ.	Inductance (μH)	RDC (mΩ) max.	Isat (A) typ.	Irms (A) typ.
SF1278R47YS□-□□□	0.47±30%	5.5	56.00	17.90	1.676±30%	21.6	28.000	8.940
SF12781R0YS□-□□□	1.00±30%	6.7	40.00	15.50	3.284±30%	26.0	20.000	7.740
SF12781R5YS□-□□□	1.50±30%	7.6	31.10	13.50	5.428±30%	30.6	15.600	6.770
SF12782R2YS□-□□□	2.20±30%	9.2	25.50	12.50	8.108±30%	33.8	12.700	6.230
SF12783R3YS□-□□□	3.30±30%	11.0	21.50	10.40	11.320±30%	40.0	10.800	5.230
SF12784R7YS□-□□□	4.70±30%	13.5	16.50	8.25	19.360±30%	50.0	8.240	4.130
SF12786R8YS□-□□□	6.80±30%	18.3	13.30	7.34	29.550±30%	65.6	6.670	3.670
SF12788R2YS□-□□□	8.20±30%	19.1	12.20	6.32	35.440±30%	71.4	6.090	3.160
SF1278100MS□-□□□	10.00±20%	24.1	11.20	6.04	41.880±20%	92.1	5.600	3.020
SF1278150MS□-□□□	15.00±20%	33.3	9.66	5.03	56.360±20%	129.0	4.830	2.510
SF1278220MS□-□□□	22.00±20%	50.3	7.57	4.00	91.720±20%	192.0	3.780	2.000
SF1278330MS□-□□□	33.00±20%	66.4	6.22	3.23	135.700±20%	265.0	3.110	1.610
SF1278470MS□-□□□	47.00±20%	89.8	5.28	2.95	188.200±20%	353.0	2.640	1.470
SF1278680MS□-□□□	68.00±20%	123.0	4.44	2.44	265.900±20%	469.0	2.220	1.220
SF1278820MS□-□□□	82.00±20%	153.0	4.06	2.09	319.000±20%	578.0	2.030	1.040
SF1278101MS□-□□□	100.00±20%	175.0	3.64	1.96	397.200±20%	701.0	1.820	0.980
SF1278151MS□-□□□	150.00±20%	261.0	3.01	1.59	579.600±20%	1013.0	1.510	0.796
SF1278221MS□-□□□	220.00±20%	343.0	2.43	1.29	886.000±20%	1380.0	1.220	0.645
SF1278331MS□-□□□	330.00±20%	540.0	2.01	1.04	1294.000±20%	2172.0	1.010	0.522
SF1278471MS□-□□□	470.00±20%	865.0	1.68	0.85	1868.000±20%	3300.0	0.838	0.427
SF1278681MS□-□□□	680.00±20%	1296.0	1.39	0.76	2707.000±20%	4888.0	0.697	0.380
SF1278821MS□-□□□	820.00±20%	1632.0	1.27	0.65	3272.000±20%	5896.0	0.633	0.325
SF1278102MS□-□□□	1000.00±20%	1992.0	1.14	0.61	4020.000±20%	7202.0	0.571	0.307

1. Electrical specifications at 25°C
2. Inductance test condition:100kHz / 0.25V
3. Isat base on ΔL/L0A=30% typ.
4. Irms base on Temp. rise 40°C typ.

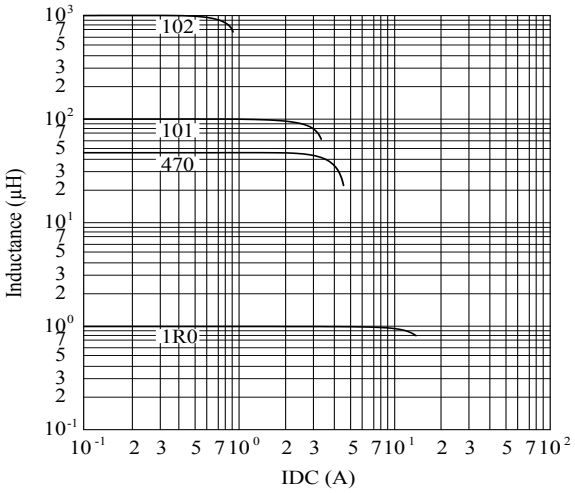
SF1258 Series

@ Inductance VS. DC Current Curve



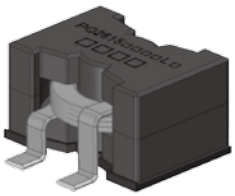
SF1278 Series

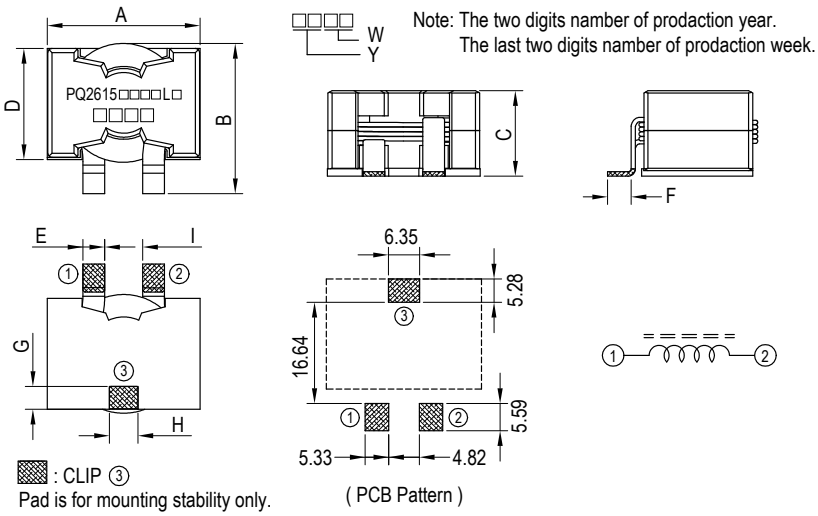
@ Inductance VS. DC Current Curve



PQ SERIES 2615

Ultra-High Current





Unit: mm

Series	A	B	C	D	E	F	G	H	I
PQ2615	27.90 max.	27.94 max.	15.36 max.	19.80 max.	3.80±0.30	3.80 min.	4.00±0.30	5.00±0.30	6.63±0.51

Features

- Flat wire winding construction
- Exceptionally low RDC
- Ultra high current handling capability
- Operating temp.: -40°C ~ +125°C (including self-temperature rise)

compliant RoHS

RoHS & HF compliant

Application

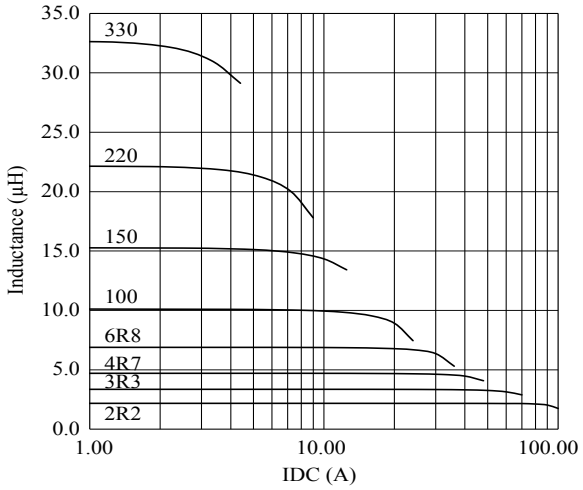
- For POL, VRM, VRD, and other high-power applications
- For DC/DC converters in distributed power systems and PV inverters

PQ2615 Series						
DWG. No.	Inductance (μH)	SRF (MHz) typ.	RDC (mΩ)		Isat (A) typ.	Irms (A) typ.
			typ.	max.		
PQ26152R2KL□-□□□	2.2±10%	40.0	1.86	2.05	100.0	30.0
PQ26153R3KL□-□□□	3.3±10%	30.0	1.86	2.05	68.4	30.0
PQ26154R7KL□-□□□	4.7±10%	25.0	1.86	2.05	50.1	30.0
PQ26156R8KL□-□□□	6.8±10%	20.0	1.86	2.05	36.2	30.0
PQ2615100KL□-□□□	10.0±10%	15.0	1.86	2.05	23.4	30.0
PQ2615150KL□-□□□	15.0±10%	10.0	1.86	2.05	15.2	30.0
PQ2615220KL□-□□□	22.0±10%	7.0	1.86	2.05	9.6	30.0
PQ2615330KL□-□□□	33.0±10%	5.0	1.86	2.05	5.9	30.0

1. Electrical specifications at 25°C
2. Inductance test condition : 0.1V/500kHz
3. Isat base on ΔL/L0A=30% typ.
4. Irms base on Temp. rise 40°C typ.

PQ2615 Series

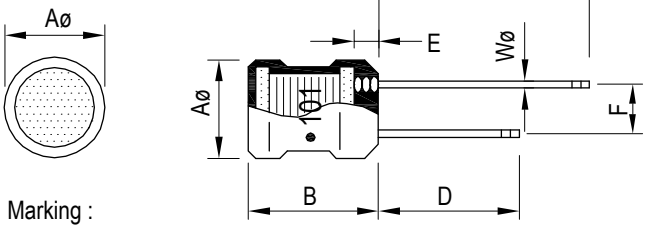
@ Inductance VS. DC Current Curve



RB SERIES

0608 / 0712 / 0812 / 0912 / 0914 / 1010 / 1314

Radial Fixed



Marking :

" ● " : Start

● 101~100 μH (Inductance code)

Unit: mm

Series	AØ	B	C	D	E	F	WØ
RB0608	5.00±0.50	6.50±1.00/-0.50	28.00±5.00	20.00±5.00	2.50 max.	2.00±0.50	0.50
RB0712	6.70±0.50	10.00±1.00	25.00±5.00	18.00±5.00	2.50 max.	3.00±0.50	0.65
RB0812	6.70±0.50	10.00±1.00	25.00±5.00	18.00±5.00	2.50 max.	3.00±0.50	0.65
RB0912	8.70±0.50	10.00±1.00	23.00±3.00		2.50 max.	5.00±0.80	0.65
RB0914	8.70±0.50	12.00±1.00	25.00±5.00	18.00±5.00	2.50 max.	5.00±0.80	0.65
RB1010	10.70±0.80	11.00±0.80	18.00±3.00	15.00±3.00	1.50 max.	7.00±0.80	0.80
RB1314	11.70±0.80	12.00±1.00	15.00±3.00	18.00±3.00	2.50 max.	9.00±1.00 (A) 7.00±0.80 (B)	Per spec. (A) 0.80 (B)

Features

- Radial fixed construction with a miniature winding
- Low RDC
- Operating temp.: -40°C ~ +125°C (including self-temperature rise)

compliant RoHS RoHS & HF compliant

Application

- Power supplier
- As power choke coil in general household appliances (TV sets, video appliances, etc.) and industrial equipment

RB0608 Series							
DWG. No.	Inductance (µH)	Q min.	Test Freq. (MHz)		SRF (MHz) min.	RDC (Ω) max.	IDC (mA) max.
			L	Q			
RB06081R0ML□-□□□	1.0±20%	60	7.960		105.0	0.10	1030
RB06081R2ML□-□□□	1.2±20%	60	7.960		90.0	0.15	980
RB06081R5ML□-□□□	1.5±20%	60	7.960		75.0	0.20	920
RB06081R8ML□-□□□	1.8±20%	60	7.960		70.0	0.22	880
RB06082R2ML□-□□□	2.2±20%	60	7.960		65.0	0.24	830
RB06082R7ML□-□□□	2.7±20%	60	7.960		60.0	0.27	790
RB06083R3ML□-□□□	3.3±20%	60	7.960		50.0	0.30	750
RB06083R9ML□-□□□	3.9±20%	60	7.960		45.0	0.30	720
RB06084R7ML□-□□□	4.7±20%	60	7.960		40.0	0.35	670
RB06085R6KL□-□□□	5.6±10%	60	7.960		35.0	0.35	640
RB06086R8KL□-□□□	6.8±10%	60	7.960		30.0	0.40	620
RB06088R2KL□-□□□	8.2±10%	60	7.960		25.0	0.40	590
RB0608100KL□-□□□	10.0±10%	60	2.520		20.0	0.45	550
RB0608120KL□-□□□	12.0±10%	60	2.520		15.0	0.50	530
RB0608150KL□-□□□	15.0±10%	60	2.520		13.0	0.55	500
RB0608180KL□-□□□	18.0±10%	60	2.520		11.0	0.60	480
RB0608220KL□-□□□	22.0±10%	60	2.520		10.0	0.65	460
RB0608270KL□-□□□	27.0±10%	50	2.520		9.0	0.75	430
RB0608330KL□-□□□	33.0±10%	50	2.520		8.0	0.85	410
RB0608390KL□-□□□	39.0±10%	50	2.520		7.5	0.90	390
RB0608470KL□-□□□	47.0±10%	50	2.520		7.0	1.00	370
RB0608560KL□-□□□	56.0±10%	50	2.520		6.5	1.20	350
RB0608680KL□-□□□	68.0±10%	50	2.520		6.0	1.30	340
RB0608820KL□-□□□	82.0±10%	50	2.520		5.5	1.50	320
RB0608101KL□-□□□	100.0±10%	50	0.796		5.0	1.70	305
RB0608121KL□-□□□	120.0±10%	50	0.796		4.8	1.90	290
RB0608151KL□-□□□	150.0±10%	50	0.796		4.4	2.10	275
RB0608181KL□-□□□	180.0±10%	50	0.796		4.2	2.30	235
RB0608221KL□-□□□	220.0±10%	45	0.796		3.8	2.50	200
RB0608271KL□-□□□	270.0±10%	45	0.796		3.6	2.75	180
RB0608331KL□-□□□	330.0±10%	45	0.796		3.3	4.68	165
RB0608391KL□-□□□	390.0±10%	45	0.796		3.0	6.00	150
RB0608471KL□-□□□	470.0±10%	55	0.796		2.8	6.50	140
RB0608561KL□-□□□	560.0±10%	55	0.796		2.4	8.50	135
RB0608681KL□-□□□	680.0±10%	55	0.796		2.2	9.00	125
RB0608821KL□-□□□	820.0±10%	55	0.796		2.0	9.60	120
RB0608102KL□-□□□	1000.0±10%	55	0.252		1.8	11.50	100

RB0712 Series							
DWG. No.	Inductance (μH)	Q min.	Test Freq. (Hz)		SRF (MHz) min.	RDC (Ω) max.	IDC (mA) max.
			L	Q			
RB0712100KL□-□□□	10±10%	20	1k	2.520M	16.0	0.07	1.10
RB0712120KL□-□□□	12±10%	20	1k	2.520M	12.0	0.08	1.00
RB0712150KL□-□□□	15±10%	20	1k	2.520M	10.0	0.09	0.90
RB0712180KL□-□□□	18±10%	20	1k	2.520M	10.0	0.10	0.75
RB0712220KL□-□□□	22±10%	20	1k	2.520M	9.0	0.12	0.70
RB0712270KL□-□□□	27±10%	20	1k	2.520M	8.0	0.13	0.65
RB0712330KL□-□□□	33±10%	20	1k	2.520M	7.0	0.15	0.60
RB0712390KL□-□□□	39±10%	20	1k	2.520M	6.0	0.16	0.55
RB0712470KL□-□□□	47±10%	20	1k	2.520M	6.0	0.18	0.45
RB0712560KL□-□□□	56±10%	20	1k	2.520M	5.0	0.21	0.40
RB0712680KL□-□□□	68±10%	20	1k	2.520M	5.0	0.24	0.36
RB0712820KL□-□□□	82±10%	20	1k	2.520M	5.0	0.35	0.34
RB0712101KL□-□□□	100±10%	20	1k	0.796M	4.0	0.40	0.32
RB0712121KL□-□□□	120±10%	20	1k	0.796M	4.0	0.45	0.30
RB0712151KL□-□□□	150±10%	20	1k	0.796M	3.5	0.50	0.28
RB0712181KL□-□□□	180±10%	20	1k	0.796M	3.0	0.75	0.26
RB0712221KL□-□□□	220±10%	20	1k	0.796M	3.0	0.90	0.24
RB0712271KL□-□□□	270±10%	20	1k	0.796M	2.5	1.00	0.22
RB0712331KL□-□□□	330±10%	20	1k	0.796M	2.5	1.10	0.20
RB0712391KL□-□□□	390±10%	20	1k	0.796M	2.0	1.20	0.18
RB0712471KL□-□□□	470±10%	20	1k	0.796M	2.0	1.50	0.16
RB0712561KL□-□□□	560±10%	20	1k	0.796M	2.0	1.80	0.15

RB0812 Series							
DWG. No.	Inductance (μH)	Q min.	Test Freq. (MHz)		SRF (MHz) min.	RDC (Ω) max.	IDC (mA) max.
			L	Q			
RB0812470KL□-□□□	47±10%	30	2.52		6.00	0.40	450
RB0812560KL□-□□□	56±10%	30	2.52		5.50	0.45	400
RB0812680KL□-□□□	68±10%	30	2.52		5.00	0.50	360
RB0812820KL□-□□□	82±10%	30	2.52		4.50	0.50	340
RB0812101KL□-□□□	100±10%	45	0.796		4.20	0.60	320
RB0812121KL□-□□□	120±10%	45	0.796		3.60	0.70	300
RB0812151KL□-□□□	150±10%	45	0.796		3.40	0.90	280
RB0812181KL□-□□□	180±10%	45	0.796		3.20	1.00	260
RB0812221KL□-□□□	220±10%	45	0.796		3.00	1.20	240
RB0812271KL□-□□□	270±10%	45	0.796		2.80	1.40	220
RB0812331KL□-□□□	330±10%	45	0.796		2.50	1.60	200
RB0812391KL□-□□□	390±10%	45	0.796		2.30	1.80	180
RB0812471KL□-□□□	470±10%	45	0.796		2.20	2.00	160
RB0812561KL□-□□□	560±10%	45	0.796		2.00	2.50	150
RB0812681KL□-□□□	680±10%	45	0.796		1.70	2.90	140
RB0812821KL□-□□□	820±10%	45	0.796		1.50	3.10	130
RB0812102KL□-□□□	1000±10%	45	0.252		1.40	3.90	120
RB0812122KL□-□□□	1200±10%	60	0.252		1.10	4.40	110
RB0812152KL□-□□□	1500±10%	60	0.252		0.90	6.00	100
RB0812182KL□-□□□	1800±10%	60	0.252		0.80	7.00	90
RB0812222KL□-□□□	2200±10%	60	0.252		0.75	8.00	80
RB0812272KL□-□□□	2700±10%	60	0.252		0.70	9.00	70
RB0812332KL□-□□□	3300±10%	60	0.252		0.60	12.00	60
RB0812392KL□-□□□	3900±10%	60	0.252		0.55	14.00	55
RB0812472KL□-□□□	4700±10%	60	0.252		0.50	16.00	50
RB0812562KL□-□□□	5600±10%	60	0.252		0.48	18.00	45
RB0812682KL□-□□□	6800±10%	60	0.252		0.44	24.00	40
RB0812822KL□-□□□	8200±10%	60	0.252		0.40	30.00	36
RB0812103KL□-□□□	10000±10%	60	0.0796		0.36	39.00	34
RB0812123KL□-□□□	12000±10%	60	0.0796		0.32	46.00	32
RB0812153KL□-□□□	15000±10%	60	0.0796		0.30	54.00	30
RB0812183KL□-□□□	18000±10%	60	0.0796		0.28	76.00	27
RB0812223KL□-□□□	22000±10%	60	0.0796		0.24	92.00	25
RB0812273KL□-□□□	27000±10%	60	0.0796		0.20	102.00	22
RB0812333KL□-□□□	33000±10%	60	0.0796		0.16	140.00	20
RB0812393KL□-□□□	39000±10%	60	0.0796		0.13	150.00	18
RB0812473KL□-□□□	47000±10%	60	0.0796		0.10	162.00	16

RB0912 Series								
DWG. No.	Inductance (µH)	Q ref.	Test Freq. (Hz)		SRF (MHz) typ.	RDC (Ω) max.	Isat (A) typ.	Irms (A) typ.
			L	Q				
RB09121R5ML□-□□□	1.5±20%	30	1k	7.960M	78.0	0.008	8.00	6.00
RB09122R2ML□-□□□	2.2±20%	30	1k	7.960M	63.0	0.010	7.50	5.30
RB09123R3ML□-□□□	3.3±20%	30	1k	7.960M	50.0	0.018	6.50	4.50
RB09124R7ML□-□□□	4.7±20%	30	1k	7.960M	41.0	0.022	5.00	4.00
RB09126R8ML□-□□□	6.8±20%	30	1k	7.960M	33.0	0.028	4.30	3.70
RB0912100KL□-□□□	10.0±10%	60	1k	2.520M	27.0	0.043	3.60	2.50
RB0912150KL□-□□□	15.0±10%	50	1k	2.520M	21.0	0.056	3.00	2.30
RB0912220KL□-□□□	22.0±10%	50	1k	2.520M	17.0	0.086	2.50	2.10
RB0912330KL□-□□□	33.0±10%	45	1k	2.520M	13.0	0.140	2.00	1.70
RB0912470KL□-□□□	47.0±10%	40	1k	2.520M	11.0	0.170	1.70	1.50
RB0912680KL□-□□□	68.0±10%	35	1k	2.520M	9.0	0.280	1.50	1.35
RB0912101KL□-□□□	100.0±10%	55	1k	0.796M	7.2	0.330	1.20	1.00
RB0912151KL□-□□□	150.0±10%	40	1k	0.796M	5.7	0.560	1.00	0.92
RB0912221KL□-□□□	220.0±10%	30	1k	0.796M	4.5	0.720	0.80	0.80
RB0912331KL□-□□□	330.0±10%	25	1k	0.796M	3.6	1.100	0.62	0.70
RB0912471KL□-□□□	470.0±10%	25	1k	0.796M	2.9	1.700	0.52	0.60
RB0912681KL□-□□□	680.0±10%	25	1k	0.796M	2.3	2.300	0.42	0.50
RB0912102KL□-□□□	1000.0±10%	55	1k	0.252M	1.9	4.300	0.35	0.40

RB0914 Series								
DWG. No.	Inductance (μH)	Q min.	Test Freq. (MHz)		SRF (MHz) min.	RDC (Ω) max.	Isat (A) typ.	Irms (A) typ.
			L	Q				
RB09143R3ML□-□□□	3.3±20%	20	7.960		70.0	0.027	11.33	3.60
RB09144R7ML□-□□□	4.7±20%	20	7.960		50.0	0.033	10.00	3.20
RB09146R8ML□-□□□	6.8±20%	20	7.960		30.0	0.039	8.50	3.00
RB0914100KL□-□□□	10.0±10%	50	2.520		20.0	0.048	6.70	2.70
RB0914120KL□-□□□	12.0±10%	50	2.520		15.0	0.055	6.20	2.50
RB0914150KL□-□□□	15.0±10%	50	2.520		10.0	0.060	5.30	2.40
RB0914180KL□-□□□	18.0±10%	40	2.520		9.5	0.065	5.00	2.30
RB0914220KL□-□□□	22.0±10%	40	2.520		9.0	0.090	4.50	1.90
RB0914270KL□-□□□	27.0±10%	40	2.520		8.5	0.110	4.00	1.80
RB0914330KL□-□□□	33.0±10%	40	2.520		8.0	0.120	3.80	1.70
RB0914390KL□-□□□	39.0±10%	30	2.520		7.0	0.130	3.40	1.60
RB0914470KL□-□□□	47.0±10%	30	2.520		6.0	0.140	3.20	1.56
RB0914560KL□-□□□	56.0±10%	30	2.520		5.0	0.200	3.00	1.50
RB0914680KL□-□□□	68.0±10%	30	2.520		4.5	0.210	2.70	1.33
RB0914820KL□-□□□	82.0±10%	30	2.520		4.0	0.230	2.50	1.28
RB0914101KL□-□□□	100.0±10%	30	0.796		3.5	0.280	2.10	1.10
RB0914121KL□-□□□	120.0±10%	30	0.796		3.0	0.320	1.90	1.05
RB0914151KL□-□□□	150.0±10%	30	0.796		2.8	0.370	1.80	1.00
RB0914181KL□-□□□	180.0±10%	30	0.796		2.6	0.540	1.63	0.87
RB0914221KL□-□□□	220.0±10%	30	0.796		2.4	0.600	1.50	0.80
RB0914271KL□-□□□	270.0±10%	20	0.796		2.2	0.680	1.40	0.77
RB0914331KL□-□□□	330.0±10%	20	0.796		2.0	0.760	1.25	0.74
RB0914391KL□-□□□	390.0±10%	20	0.796		1.9	0.850	1.15	0.70
RB0914471KL□-□□□	470.0±10%	20	0.796		1.8	1.300	1.00	0.56
RB0914561KL□-□□□	560.0±10%	20	0.796		1.7	1.400	0.95	0.52
RB0914681KL□-□□□	680.0±10%	20	0.796		1.6	1.600	0.90	0.49
RB0914821KL□-□□□	820.0±10%	20	0.796		1.5	1.800	0.83	0.46
RB0914102KL□-□□□	1000.0±10%	40	0.252		1.3	2.100	0.65	0.42

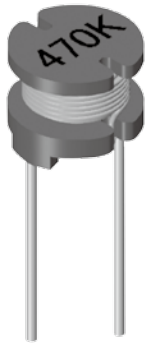
RB1010 Series							
DWG. No.	Inductance (μH)	Q min.	Test Freq. (Hz)		SRF (MHz) min.	RDC (Ω) max.	IDC (mA) max.
			L	Q			
RB1010101KL□-□□□	100±10%	30	1V/1k	0.796M	3.500	0.12	900
RB1010121KL□-□□□	120±10%	40	1V/1k	0.796M	3.000	0.18	820
RB1010151KL□-□□□	150±10%	35	1V/1k	0.796M	2.800	0.20	780
RB1010181KL□-□□□	180±10%	30	1V/1k	0.796M	2.600	0.23	680
RB1010221KL□-□□□	220±10%	30	1V/1k	0.796M	2.200	0.28	620
RB1010271KL□-□□□	270±10%	28	1V/1k	0.796M	2.000	0.32	520
RB1010331KL□-□□□	330±10%	22	1V/1k	0.796M	1.800	0.38	480
RB1010391KL□-□□□	390±10%	20	1V/1k	0.796M	1.700	0.43	430
RB1010471KL□-□□□	470±10%	17	1V/1k	0.796M	1.600	0.50	400
RB1010561JL□-□□□	560±5%	18	1V/1k	0.796M	1.500	0.65	370
RB1010681JL□-□□□	680±5%	15	1V/1k	0.796M	1.300	0.80	330
RB1010821JL□-□□□	820±5%	18	1V/1k	0.796M	1.220	1.00	300
RB1010102JL□-□□□	1000±5%	15	1V/1k	0.252M	1.100	1.20	270
RB1010122JL□-□□□	1200±5%	13	1V/1k	0.252M	1.000	1.30	250
RB1010152JL□-□□□	1500±5%	35	1V/1k	0.252M	0.820	1.80	220
RB1010182JL□-□□□	1800±5%	30	1V/1k	0.252M	0.780	2.20	200
RB1010222JL□-□□□	2200±5%	40	1V/1k	0.252M	0.720	2.80	180
RB1010272JL□-□□□	2700±5%	35	1V/1k	0.252M	0.680	3.20	160
RB1010332JL□-□□□	3300±5%	30	1V/1k	0.252M	0.660	3.60	155
RB1010392JL□-□□□	3900±5%	30	1V/1k	0.252M	0.600	4.20	140
RB1010472JL□-□□□	4700±5%	25	1V/1k	0.252M	0.480	5.40	130
RB1010562JL□-□□□	5600±5%	25	1V/1k	0.252M	0.450	6.00	120
RB1010682JL□-□□□	6800±5%	25	1V/1k	0.252M	0.380	7.50	110
RB1010822JL□-□□□	8200±5%	25	1V/1k	0.252M	0.350	8.60	105
RB1010103JL□-□□□	10000±5%	50	1V/1k	79.6k	0.340	10.00	100
RB1010123JL□-□□□	12000±5%	45	1V/1k	79.6k	0.300	13.50	80
RB1010153JL□-□□□	15000±5%	50	1V/1k	79.6k	0.280	17.00	70
RB1010183JL□-□□□	18000±5%	45	1V/1k	79.6k	0.230	21.00	55
RB1010223JL□-□□□	22000±5%	55	1V/1k	79.6k	0.200	25.00	52
RB1010273JL□-□□□	27000±5%	50	1V/1k	79.6k	0.190	32.00	48
RB1010333JL□-□□□	33000±5%	45	1V/1k	79.6k	0.180	40.00	40
RB1010393JL□-□□□	39000±5%	40	1V/1k	79.6k	0.160	45.00	37
RB1010473JL□-□□□	47000±5%	40	1V/1k	79.6k	0.150	52.00	32
RB1010563JL□-□□□	56000±5%	35	1V/1k	79.6k	0.130	66.00	30
RB1010683JL□-□□□	68000±5%	35	1V/1k	79.6k	0.125	78.00	24
RB1010823JL□-□□□	82000±5%	35	1V/1k	79.6k	0.120	105.00	22
RB1010104JL□-□□□	100000±5%	30	1V/1k	25.2k	0.100	140.00	20

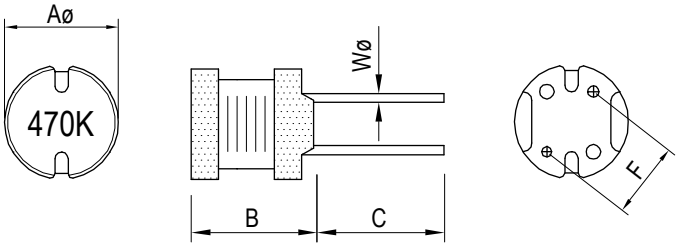
RB1314 Series								
DWG. No.	Inductance (µH)	Q ref .	Test Freq. (Hz)		SRF (MHz) typ.	RDC (Ω) max.	IDC (A) max.	WØ mm
			L	Q				
RB13143R3ML□-□□□	3.3±20%	90	1k	7.96M	59.00	0.008	5.600	0.8
RB13144R7ML□-□□□	4.7±20%	100	1k	7.96M	45.00	0.009	4.700	0.8
RB13146R8ML□-□□□	6.8±20%	80	1k	7.96M	34.00	0.012	3.900	0.7
RB1314100ML□-□□□	10.0±20%	140	1k	2.52M	26.00	0.015	3.200	0.7
RB1314150ML□-□□□	15.0±20%	120	1k	2.52M	19.00	0.019	2.600	0.7
RB1314220KL□-□□□	22.0±10%	110	1k	2.52M	14.00	0.026	2.200	0.7
RB1314330KL□-□□□	33.0±10%	100	1k	2.52M	10.00	0.045	1.800	0.6
RB1314470KL□-□□□	47.0±10%	90	1k	2.52M	8.30	0.056	1.500	0.6
RB1314680KL□-□□□	68.0±10%	80	1k	2.52M	6.70	0.092	1.200	0.8
RB1314101KL□-□□□	100.0±10%	70	1k	796k	5.40	0.120	1.000	0.8
RB1314151KL□-□□□	150.0±10%	70	1k	796k	4.30	0.200	0.820	0.8
RB1314221KL□-□□□	220.0±10%	40	1k	796k	3.40	0.250	0.680	0.8
RB1314331KL□-□□□	330.0±10%	40	1k	796k	2.70	0.420	0.550	0.8
RB1314471KL□-□□□	470.0±10%	30	1k	796k	2.30	0.510	0.460	0.8
RB1314681KL□-□□□	680.0±10%	30	1k	796k	1.90	0.790	0.380	0.8
RB1314102KL□-□□□	1000.0±10%	40	1k	252k	1.60	1.300	0.310	0.8
RB1314152KL□-□□□	1500.0±10%	30	1k	252k	1.30	1.700	0.250	0.8
RB1314222KL□-□□□	2200.0±10%	60	1k	252k	1.10	2.900	0.210	0.8
RB1314332KL□-□□□	3300.0±10%	50	1k	252k	0.90	3.700	0.170	0.8
RB1314472KL□-□□□	4700.0±10%	50	1k	252k	0.76	5.600	0.140	0.8
RB1314682KL□-□□□	6800.0±10%	60	1k	252k	0.65	9.400	0.120	0.8
RB1314103KL□-□□□	10000.0±10%	80	1k	79.6k	0.53	12.000	0.100	0.8
RB1314153KL□-□□□	15000.0±10%	70	1k	79.6k	0.41	15.000	0.082	0.8

1. Electrical specifications at 25°C
2. IDC base on temp. rise 20°C max.
3. Lead: 0.6Ø~0.8Ø mm soldered copper wire (3.3uH~47uH)
   Lead: 0.8Ø mm tinned copper wire (68uH~15mH)

RC SERIES 1008 / 1010

Radial Open





Unit: mm

Series	AØ	B	C	F	WØ
RC1008	10.00±0.50	8.00±0.50	18.00±3.00	6.40 typ.	0.80±0.05
RC1010	10.50 max.	10.50 max.	18.00±3.00	6.40 typ.	0.80±0.05

Features

- Radial fixed construction with a miniature winding
- Magnetically unshielded
- Operating temp.: -40°C ~ +125°C (including self-temperature rise)

compliant RoHS RoHS & HF compliant

Application

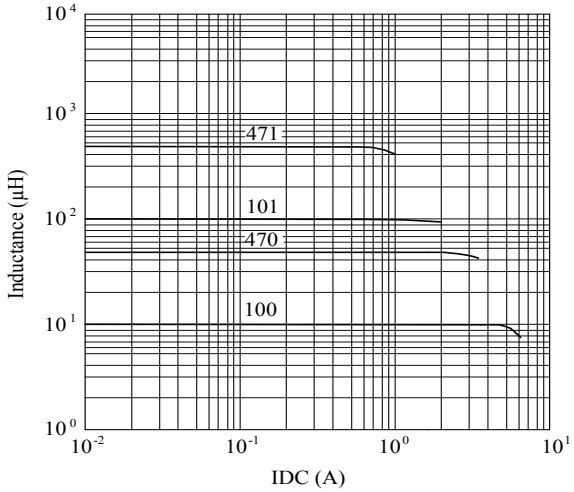
- DC-DC Converters

RC1008 Series							
DWG. No.	Inductance (μH)	Test Freq. L	SRF (MHz) typ.	RDC (Ω)		Irms (A) typ.	Isat (A) typ.
				max.	typ.		
RC1008100ML□-□□□	10±20%	1V/1kHz	22.00	0.026	0.019	4.50	4.70
RC1008150ML□-□□□	15±20%	1V/1kHz	16.50	0.035	0.026	3.80	4.00
RC1008220ML□-□□□	22±20%	1V/1kHz	14.00	0.050	0.034	3.00	3.30
RC1008330ML□-□□□	33±20%	1V/1kHz	10.00	0.070	0.050	2.50	2.70
RC1008470KL□-□□□	47±10%	1V/1kHz	9.20	0.098	0.077	2.20	2.40
RC1008680KL□-□□□	68±10%	1V/1kHz	7.00	0.145	0.112	1.80	2.00
RC1008101KL□-□□□	100±10%	1V/1kHz	6.00	0.210	0.165	1.40	1.60
RC1008151KL□-□□□	150±10%	1V/1kHz	4.90	0.300	0.238	1.20	1.40
RC1008221KL□-□□□	220±10%	1V/1kHz	3.80	0.420	0.335	1.00	1.10
RC1008331KL□-□□□	330±10%	1V/1kHz	3.30	0.660	0.530	0.80	0.92
RC1008471KL□-□□□	470±10%	1V/1kHz	2.70	0.860	0.685	0.72	0.80
RC1008681KL□-□□□	680±10%	1V/1kHz	2.20	1.280	1.020	0.56	0.63
RC1008102KL□-□□□	1000±10%	1V/1kHz	1.65	1.850	1.510	0.46	0.54
RC1010 Series							
DWG. No.	Inductance (μH)	Test Freq. L	SRF (MHz) typ.	RDC (Ω)		Irms (A) typ.	Isat (A) typ.
				max.	typ.		
RC1010100ML□-□□□	10±20%	1V/1kHz	16.0	0.023	0.017	4.80	4.80
RC1010150ML□-□□□	15±20%	1V/1kHz	14.0	0.028	0.020	4.30	4.00
RC1010220ML□-□□□	22±20%	1V/1kHz	11.5	0.040	0.029	3.60	3.30
RC1010330ML□-□□□	33±20%	1V/1kHz	8.5	0.050	0.037	3.20	3.00
RC1010470KL□-□□□	47±10%	1V/1kHz	7.0	0.070	0.053	2.60	2.50
RC1010680KL□-□□□	68±10%	1V/1kHz	5.5	0.098	0.076	2.15	2.00
RC1010101KL□-□□□	100±10%	1V/1kHz	5.0	0.128	0.100	1.90	1.70
RC1010151KL□-□□□	150±10%	1V/1kHz	4.2	0.220	0.165	1.45	1.40
RC1010221KL□-□□□	220±10%	1V/1kHz	3.2	0.320	0.245	1.20	1.10
RC1010331KL□-□□□	330±10%	1V/1kHz	2.6	0.460	0.350	1.00	0.95
RC1010471KL□-□□□	470±10%	1V/1kHz	2.2	0.620	0.492	0.85	0.80
RC1010681KL□-□□□	680±10%	1V/1kHz	2.0	0.940	0.745	0.70	0.64
RC1010102KL□-□□□	1000±10%	1V/1kHz	1.6	1.300	1.060	0.60	0.56

1. Electrical specifications at 25°C
2. Irms base on temp. rise 30°C typ.
3. Isat base on ΔL/L0A=10% typ.

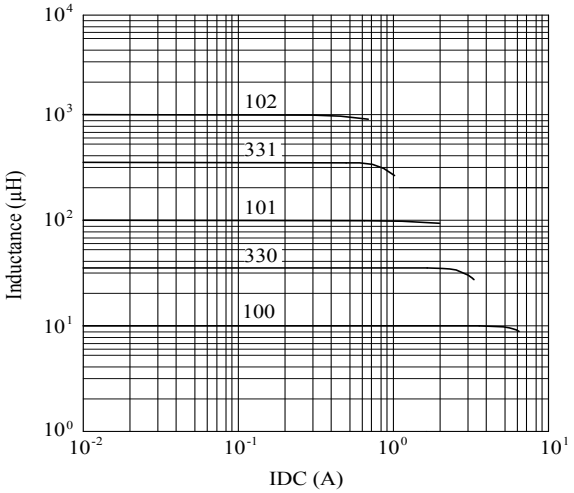
RC1008 Series

@ Inductance VS. DC Current Curve



RC1010 Series

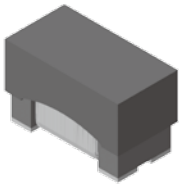
@ Inductance VS. DC Current Curve

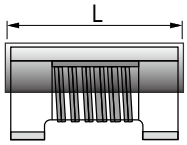


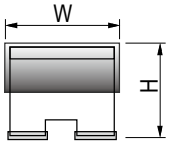
PWC SERIES

0603 / 0805 / 1206-ST , 0805-HT

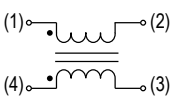
Data Line



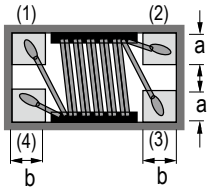


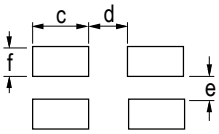


Equivalent Circuit



No polarity





Recommended PCB Pattern

: Electrode

( ) : Reference Value

Unit: mm

Series	L	W	H	a	b	c	d	e	f
PWC0603-ST	1.60±0.10	0.85±0.10	1.10±0.10	0.25	0.33	0.85	0.60	0.25	0.25
PWC0805-ST	2.00±0.20	1.20±0.20	1.20±0.20	0.40	0.45	0.90	0.80	0.40	0.40
PWC1206-ST	3.20±0.20	1.60±0.20	1.90±0.20	0.60	0.60	1.00	1.60	0.40	0.60
PWC0805-HT	2.00±0.20	1.20±0.20	1.00±0.20	0.40	0.45	0.90	0.80	0.40	0.40

Features

- Miniature size to 1.6 x 0.85mm
- Low profile down to 1.0mm
- Automatic bifilar winding & core assembly excellent impedance coupling effect
- Operating temp.: -40°C ~ +85°C (including self-temperature rise)
- PWC1206-ST: Operating temp.: -55°C ~ +125°C (including self-temperature rise)

Application

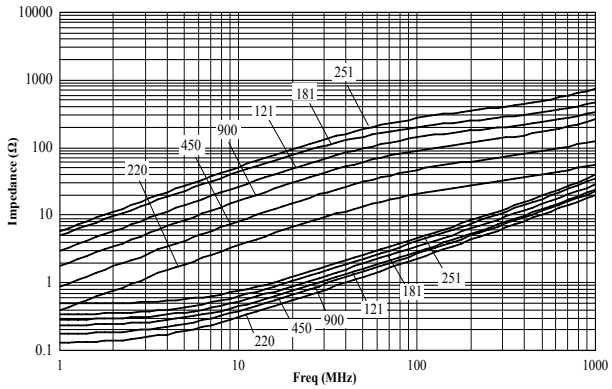
- For noise suppression in super high speed signal lines: USB 2.x, HDMI 2.0 ...etc.

PWC0603-ST Series						
DWG. No.	Common Mode[1] Impedance (Ω) at 100MHz	Rated Voltage V (DC)	Withstanding Voltage V (DC)	Rated[2] Current max (mA)	DC Resistance max (Ω)	Insulation Resistance min (MΩ)
PWC0603ST220S-□□	22	50	125	500	0.080	10
PWC0603ST450S-□□	45	50	125	500	0.110	10
PWC0603ST900S-□□	90	50	125	500	0.145	10
PWC0603ST121S-□□	120	50	125	500	0.175	10
PWC0603ST181S-□□	180	50	125	500	0.210	10
PWC0603ST251S-□□	250	50	125	400	0.280	10
PWC0805-ST Series						
DWG. No.	Common Mode[1] Impedance (Ω) at 100MHz	Rated Voltage V (DC)	Withstanding Voltage V (DC)	Rated[2] Current max (mA)	DC Resistance max (Ω)	Insulation Resistance min (MΩ)
PWC0805ST670S-□□	67	50	125	400	0.25	10
PWC0805ST900S-□□	90	50	125	330	0.35	10
PWC0805ST121S-□□	120	50	125	370	0.30	10
PWC0805ST181S-□□	180	50	125	330	0.35	10
PWC0805ST261S-□□	260	50	125	300	0.40	10
PWC0805ST361S-□□	360	50	125	280	0.45	10
PWC1206-ST Series						
DWG. No.	Common Mode[1] Impedance (Ω) at 100MHz	Rated Voltage V (DC)	Withstanding Voltage V (DC)	Rated[2] Current max (mA)	DC Resistance max (Ω)	Insulation Resistance min (MΩ)
PWC1206ST900S-□□	90	50	125	370	0.30	10
PWC1206ST161S-□□	160	50	125	340	0.40	10
PWC1206ST261S-□□	260	50	125	310	0.50	10
PWC1206ST601S-□□	600	50	125	260	0.80	10
PWC1206ST102S-□□	1000	50	125	230	1.00	10
PWC1206ST222S-□□	2200	50	125	200	1.20	10
PWC0805-HT Series						
DWG. No.	Common Mode[1] Impedance (Ω) at 100MHz	Rated Voltage V (DC)	Withstanding Voltage V (DC)	Rated[2] Current max (mA)	DC Resistance max (Ω)	Insulation Resistance min (MΩ)
PWC0805HT670S-□□	67	50	125	330	0.35	10
PWC0805HT900S-□□	90	50	125	300	0.40	10
PWC0805HT121S-□□	120	50	125	280	0.45	10
PWC0805HT181S-□□	180	50	125	250	0.50	10

1. Impedance is measured in HP4287A or equivalent.
2. For 15°C rise.

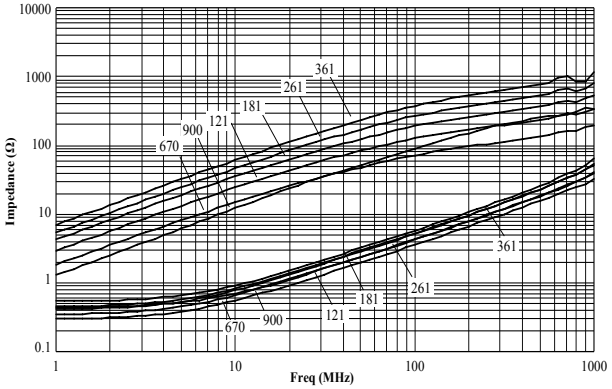
PWC0603-ST Series

Z vs Freq Plot



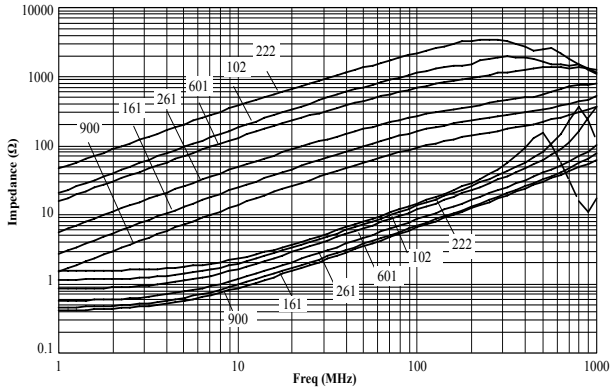
PWC0805-ST Series

Z vs Freq Plot



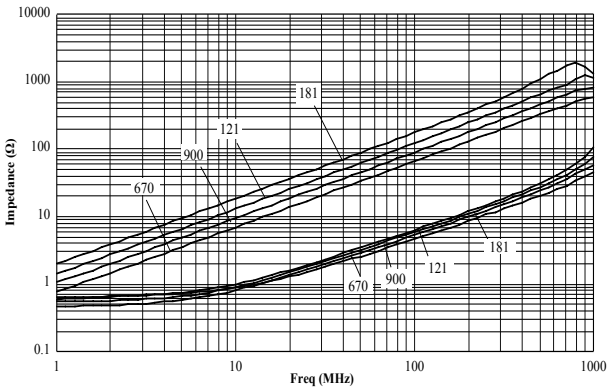
PWC1206-ST Series

Z vs Freq Plot



PWC0805-HT Series

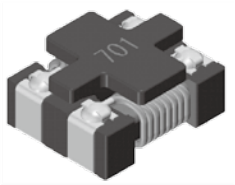
Z vs Freq Plot

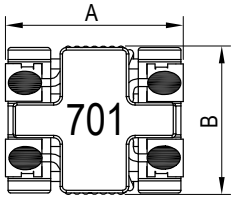


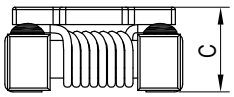
QF SERIES

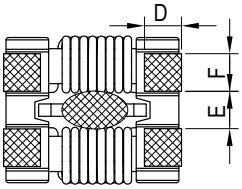
7035 / 9045 / 1260

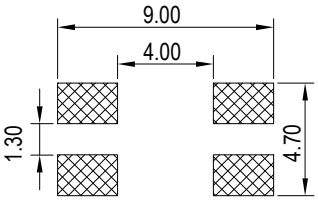
Power Line











(PCB Pattern)

Unit: mm

Series	A	B	C	D	E	F
QF7035	7.00±0.20	6.00±0.20	3.50 max.	1.50±0.20	1.70±0.20	1.30±0.20
QF9045	9.00±0.20	7.00±0.20	4.50 max.	1.50±0.20	2.20±0.20	1.30±0.20
QF1260	12.00±0.30	11.00±0.30	6.00 max.	2.30±0.20	2.70±0.20	2.50±0.20

Features

- Chip common mode filter for large current applications.
- Excellent common mode impedance and noise suppression
- High impedance in wide range of frequency
- Operating temp.: -40°C ~ +125°C (including self-temperature rise)

compliant RoHS RoHS & HF compliant

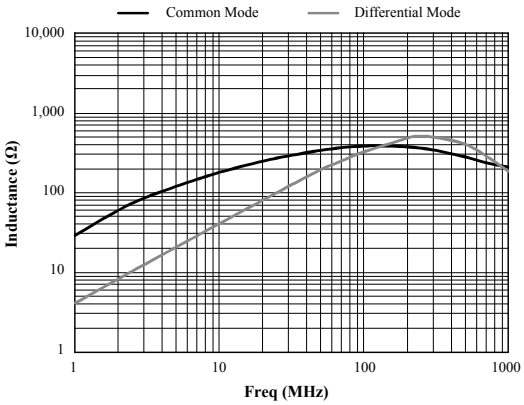
Application

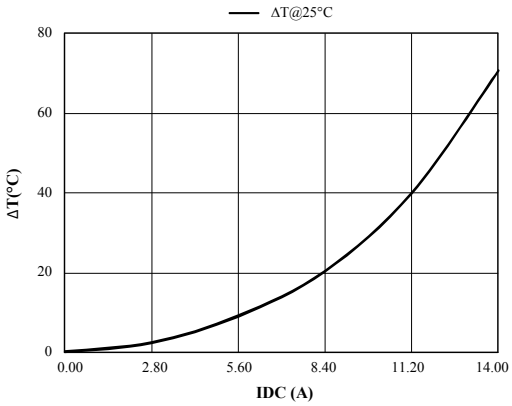
- Power line noise countermeasure
- Noise countermeasure for adapter lines and battery lines or larger electronic equipment such as servers and power banks

QF7035 Series						
DWG. No.	Impedance (Ω)		Test freq. (MHz)	L1, L2 (μH) ref.	RDC1, RDC2 (mΩ) max.	IDC (A) max.
	min.	typ.				
QF7035301YL□-□□□	225	300	100	4.00	10.0	5.00
QF7035701YL□-□□□	500	700	100	7.00	15.0	4.00
QF7035102YL□-□□□	600	1000	100	7.90	23.0	3.00
QF7035132YL□-□□□	910	1300	100	10.4	25.0	2.50
QF7035302YL□-□□□	1800	3000	100	22.6	72.0	1.20
QF9045 Series						
DWG. No.	Impedance (Ω)		Test freq. (MHz)	L1, L2 (μH) ref.	RDC1, RDC2 (mΩ) max.	IDC (A) max.
	min.	typ.				
QF9045701YSB-□□□	500	700	100	7.50	10.00	5.00
QF7035 Series						
DWG. No.	Impedance (Ω)		Test freq. (MHz)	L1, L2 (μH) ref.	RDC1, RDC2 (mΩ) max.	IDC (A) max.
	min.	typ.				
QF1260701YLB-□□□	500	700	100	9.00	6.00	8.00
QF1260102YLB-□□□	750	1000	100	12.5	14.0	6.00

1. Electrical specifications at 25°C
2. Nominal voltage : 80Vdc
3. Inductance Test condition : 100kHz /0.1V
4. IDC base on temp. rise : 40°C max.
5. Insulation Resistance 10MΩ min.@100Vdc
6. Hi-pot test (N1 to N2) : 500Vac, 50Hz , 3mA , 1sec.

QF7035301YLB





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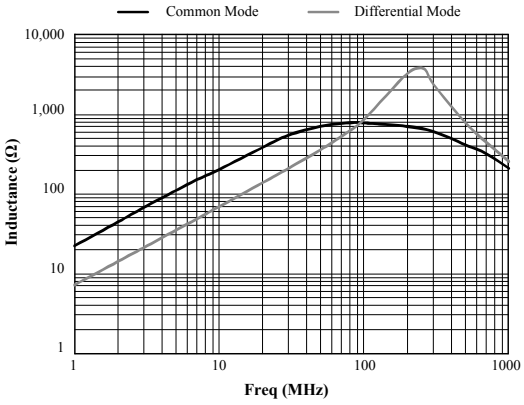

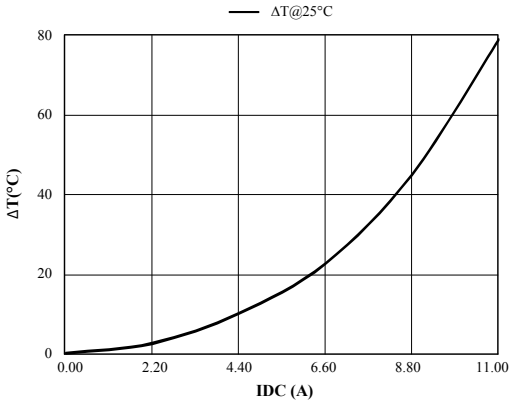

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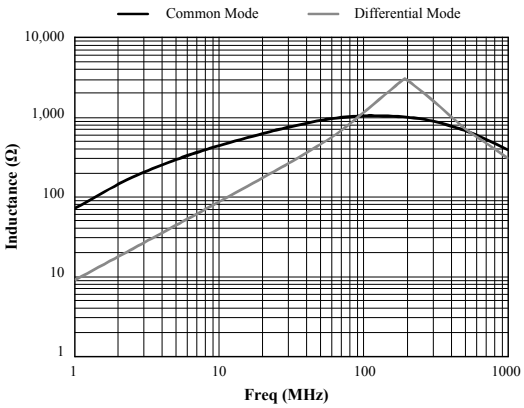

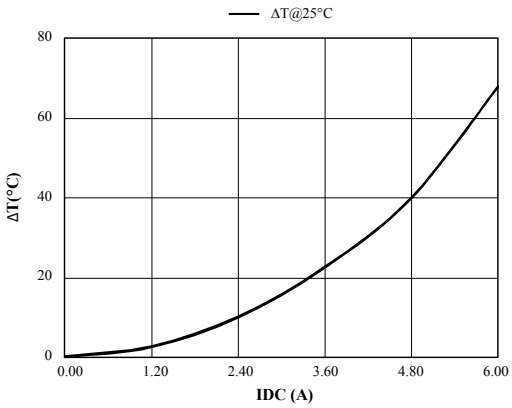

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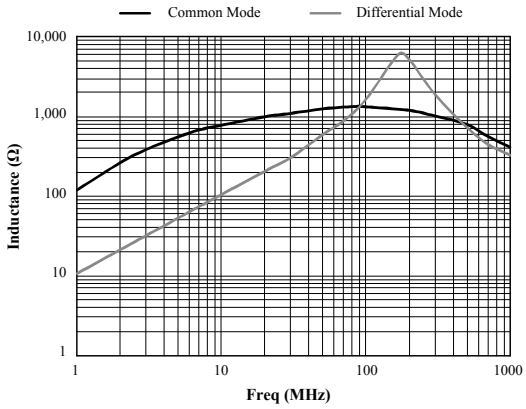

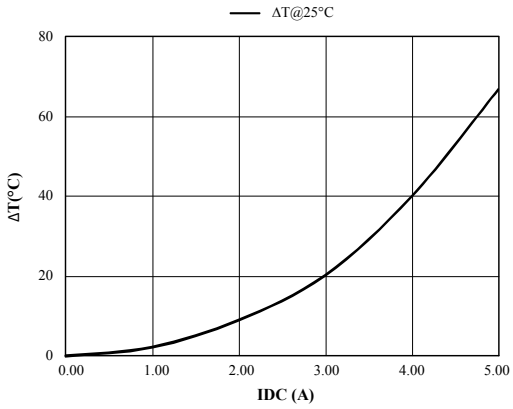

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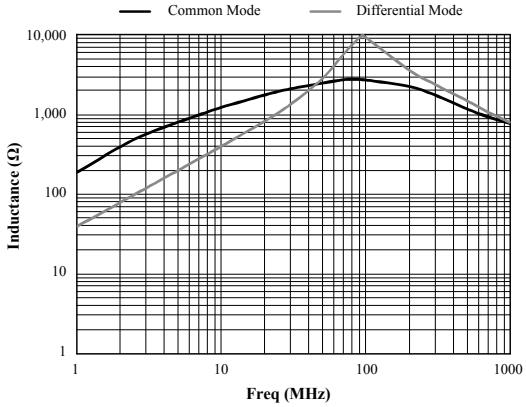

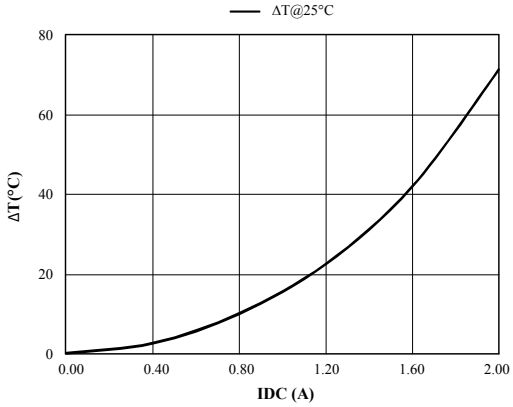

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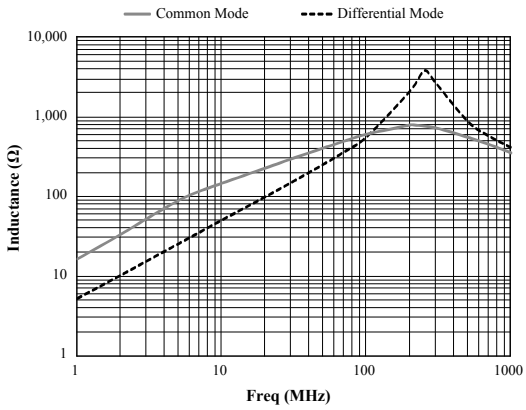

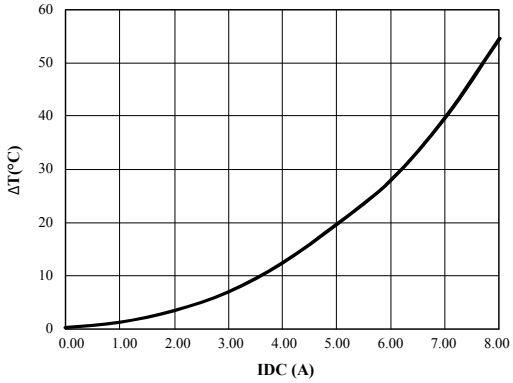

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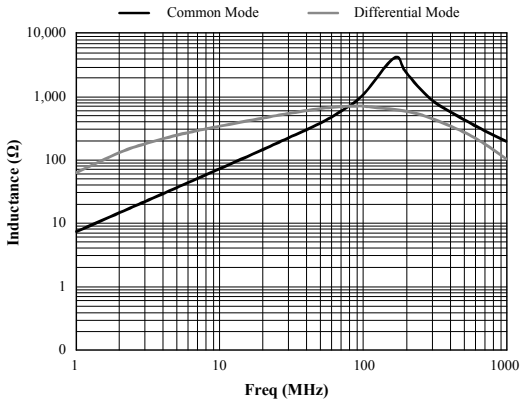

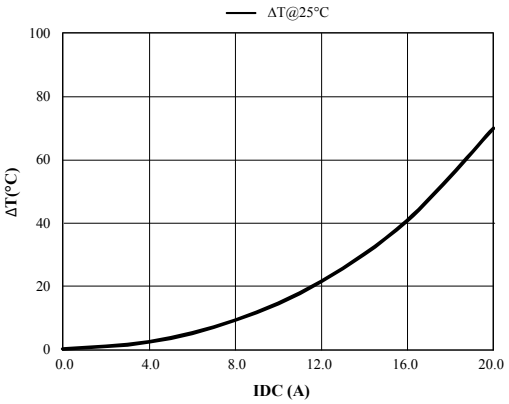

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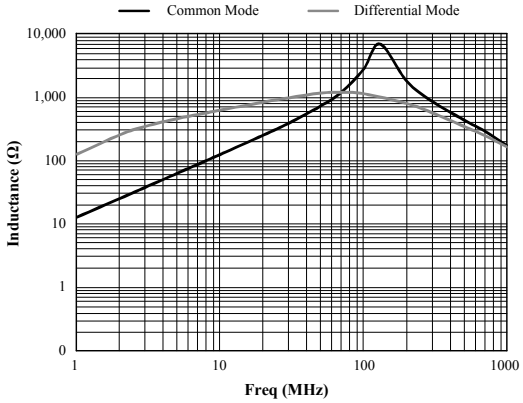
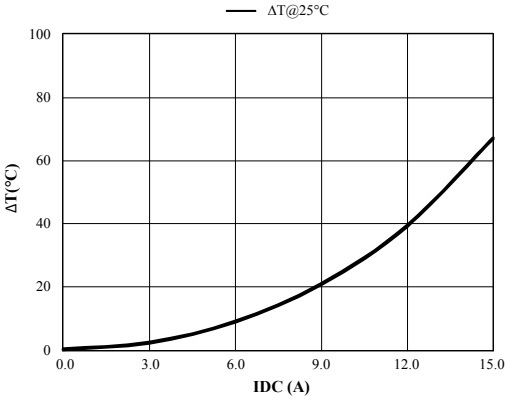
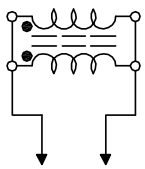
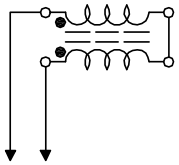




Common Mode
Measuring circuit :



Differential Mode
Measuring circuit :

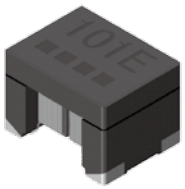


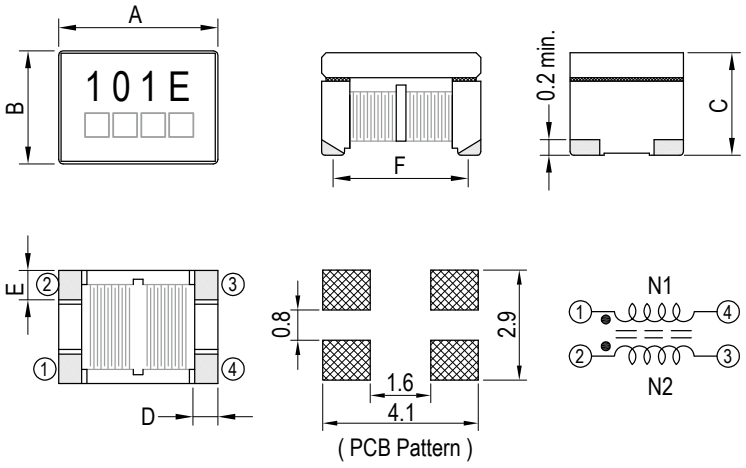
QF

SF SERIES

3225 / 4532

General





Unit: mm

Series	A	B	C	D	E	F
SF3225	3.20±0.20	2.50±0.20	2.40 max.	0.60 ref.	0.65 ref.	2.60 ref.
SF4532	4.50±0.20	3.20±0.20	3.00 ±0.20	0.70 ref.	0.65 ref.	3.80 ref.

Features

- Bifilar winding with excellent impendence coupling effect
- Reduces radiated EMI emissions
- Dual winding inductors that can be used as either a single inductor, or in coupled inductor/ transformer applications (1:1 turns ratio)
- SF3225: Operating temp.: -40°C ~ +125°C (including self-temperature rise)
- SF4532: Operating temp.: -55°C ~ +150°C (including self-temperature rise)

compliant RoHS

RoHS & HF compliant

Application

- Noise reducing for high-speed interfaces
- Input and output filter chokes

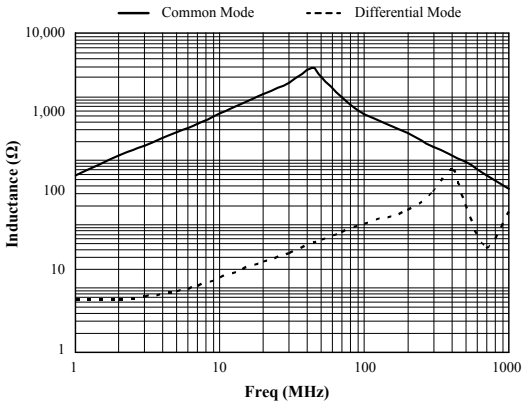
SF

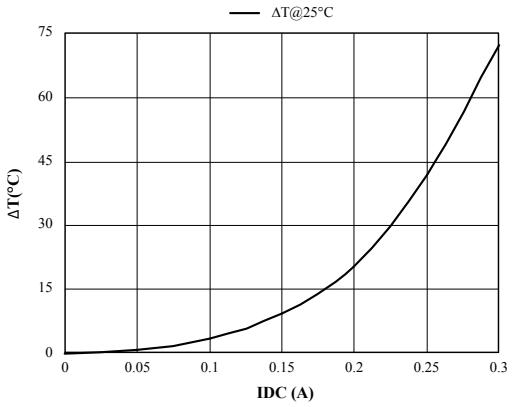
SF3225 Series						
DWG. No.	Inductance (μH)	Lstray (μH) typ.	RDC (Ω) max.	IDC (A)	Common mode impedance (kΩ) @ 10MHz	
					typ.	min.
SF3225101YEB-□□□	100±50%	0.60	3.50	0.10	5.50	2.00

SF4532 Series						
DWG. No.	Inductance (μH)	Lstray (μH) typ.	RDC (Ω) max.	IDC (A) max.	Common mode impedance (kΩ) @ 10MHz	
					min.	typ.
SF4532110YC□-□□□	11.0 +50% -30%	0.10	0.50	0.36	0.30	0.60
SF4532220YC□-□□□	22.0 +50% -30%	0.15	0.60	0.31	0.60	1.20
SF4532510YC□-□□□	51.0 +50% -30%	0.30	1.00	0.23	1.50	3.50
SF4532101YC□-□□□	100.0 +50% -30%	0.35	1.50	0.20	3.00	7.50

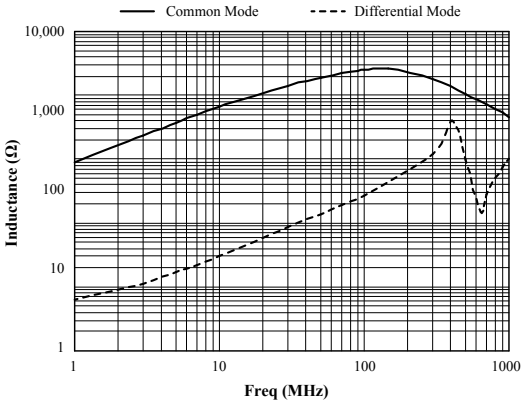
1. Electrical specifications at 25°C
2. Inductance Test Condition.:100kHz / 0.1V
3. IDC base on Temp. rise 40°C max.
4. Insulation resistance:10MΩ min.@50Vdc
5. Rated voltage:50Vdc

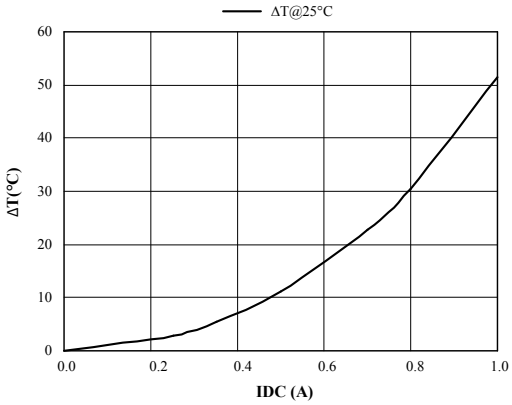
SF3225101YEB



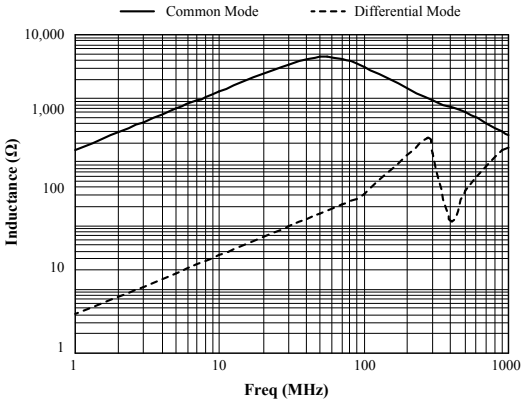


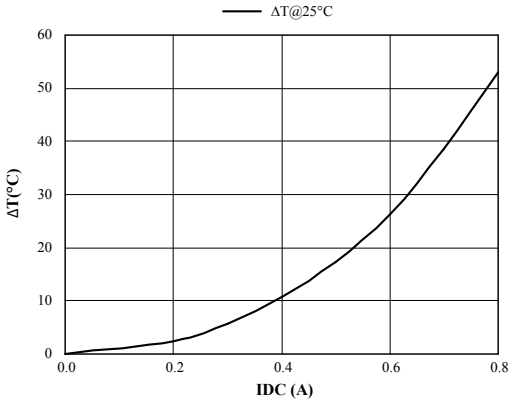
SF4532110YC□



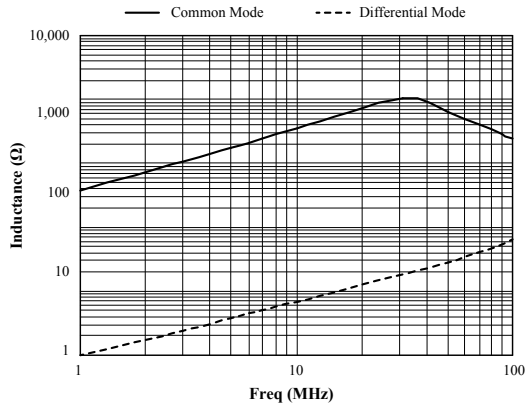


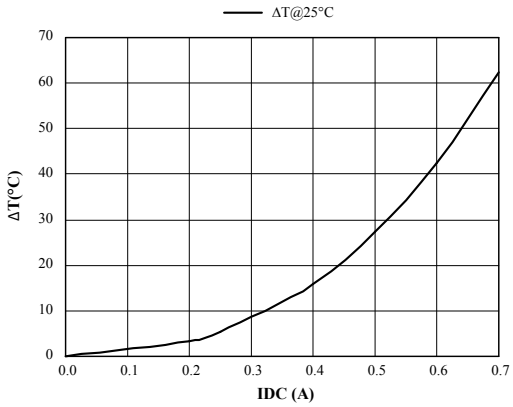
SF4532220YC□



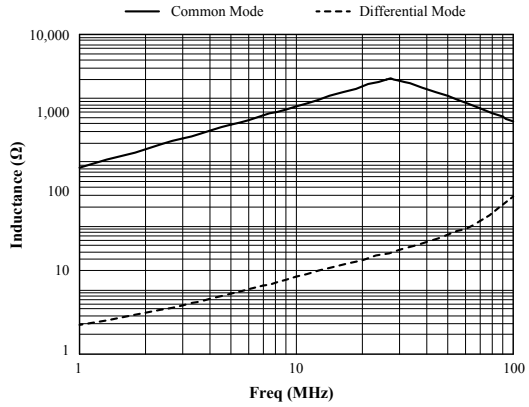


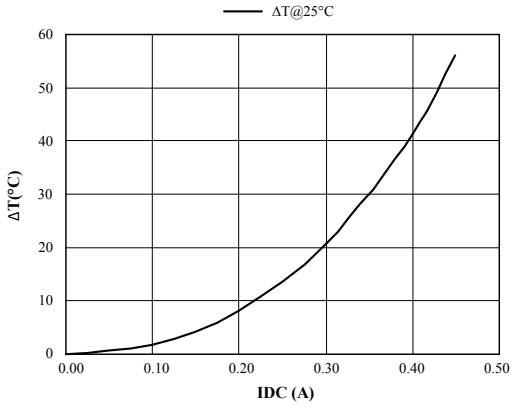
SF4532510YC□





SF4532101YC□

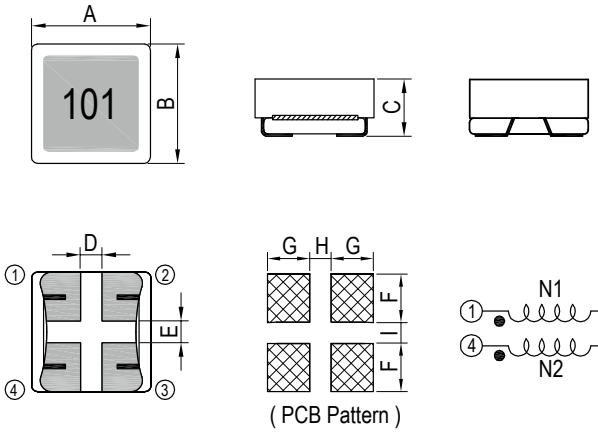




SF

SF SERIES 0502

General



Unit: mm

Series	A	B	C	D	E	F	G	H	I
SF0502	5.00±0.30	5.00±0.30	2.50 max.	0.80 typ.	1.00 typ.	2.30 typ.	1.60 ref.	0.80 ref.	1.00 ref.

Features

- Bifilar winding with excellent impendence coupling effect
- Reduces radiated EMI emissions
- Dual winding inductors that can be used as either a single inductor, or in coupled inductor/ transformer applications (1:1 turns ratio)
- Operating temp.: -40°C ~ +125°C (including self-temperature rise)

compliant RoHS

RoHS & HF compliant

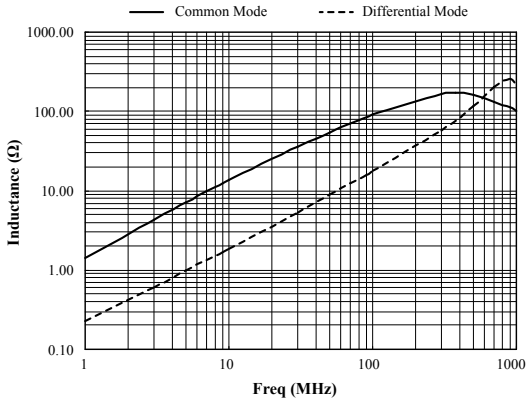
Application

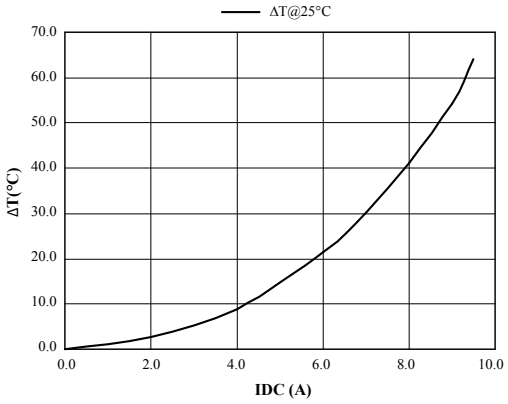
- Noise reducing for high-speed interfaces
- Input and output filter chokes

SF0502 Series						
DWG. No.	Common mode impedance (at 100MHz, 20 degree C) (kΩ)	Inductance (μH) ref.	IDC (mA) typ.	RDC (mΩ) max.	Impedance (kΩ)	Freq. range (MHz)
SF0502101YL□-□□□	0.10±35%	0.23	6.0	15	0.06 min.	90 ~ 900
SF0502251YL□-□□□	0.25±35%	0.55	5.0	20	0.12 min.	80 ~ 700
SF0502501YL□-□□□	0.50±35%	1.10	4.0	30	0.20 min.	60 ~ 300
SF0502102YL□-□□□	1.00±35%	2.50	2.0	45	0.40 min.	50 ~ 200
SF0502142YL□-□□□	1.40±35%	2.60	1.5	55	0.45 min.	40 ~ 160

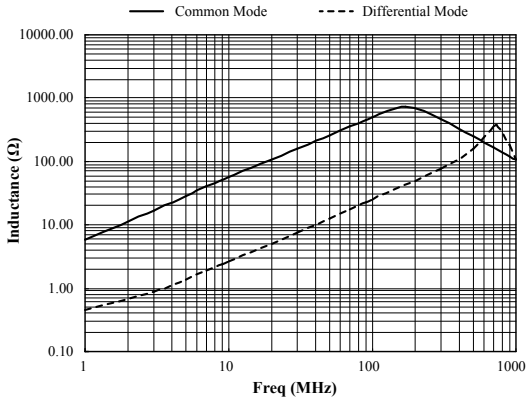
1. Electrical specifications at 25°C
2. Inductance Test Condition.:100kHz / 0.1V
3. Rated voltage 50 Vdc
4. Withstand Voltage 125Vdc
5. Insulation Resistance 10MΩ min.
6. IDC base on Temp. rise 40°C typ.

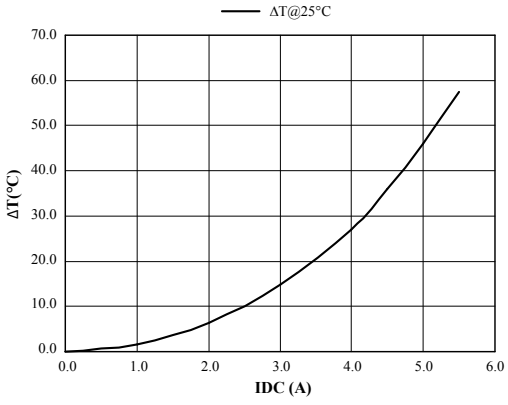
SF0502101YLB



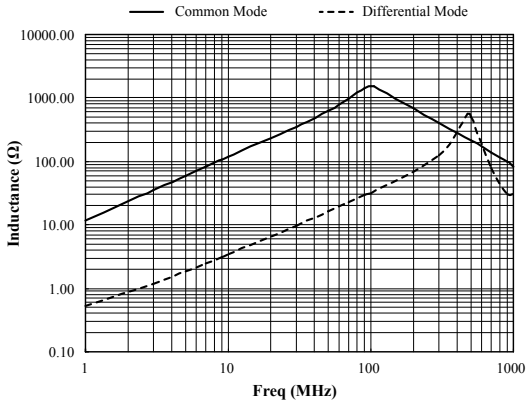


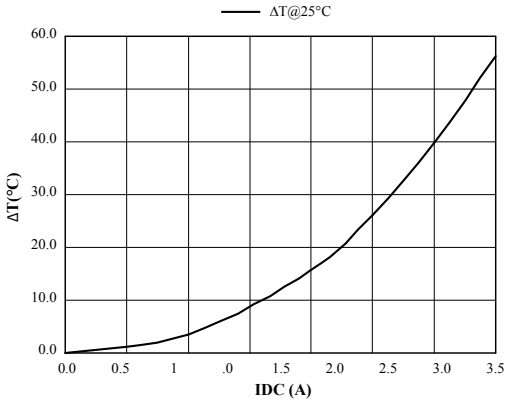
SF0502501YLB



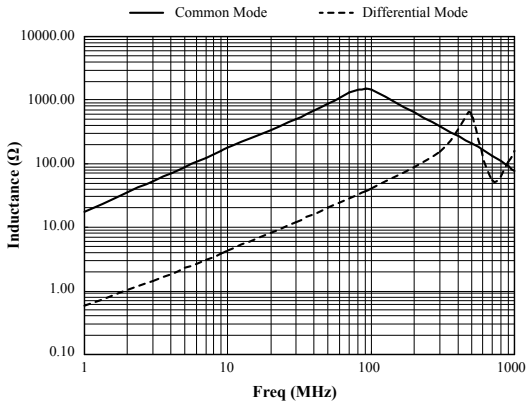


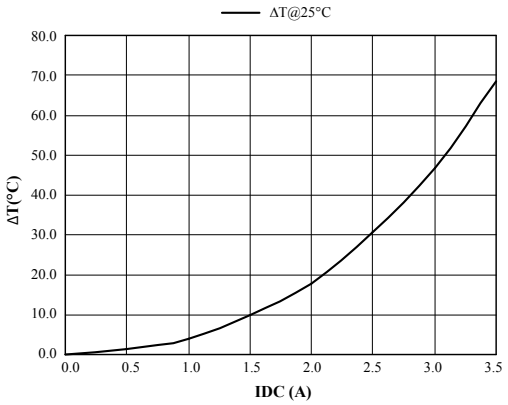
SF0502102YLB





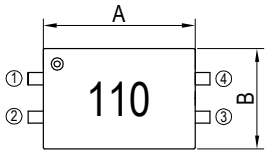
SF0502142YLB

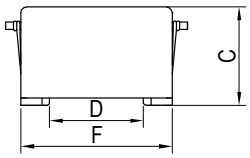


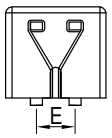


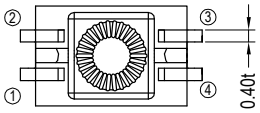
SF SERIES 0503

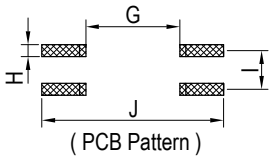
General

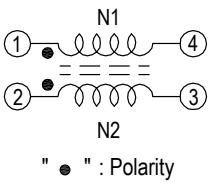












Unit: mm

Series	A	B	C	D	E	F	G	H	I	J
SF0503	5.00±0.30	3.30±0.30	3.30±0.20	3.10 typ.	1.27 typ.	5.00 typ.	2.70 typ.	0.60 ref.	1.27 ref.	6.40 ref.

Features

- Bifilar winding with excellent impendence coupling effect
- Reduces radiated EMI emissions
- Dual winding inductors that can be used as either a single inductor, or in coupled inductor/ transformer applications (1:1 turns ratio)
- Operating temp.: -40°C ~ +105°C (including self-temperature rise)

compliant RoHS RoHS & HF compliant

Application

- Noise reducing for high-speed interfaces
- Input and output filter chokes

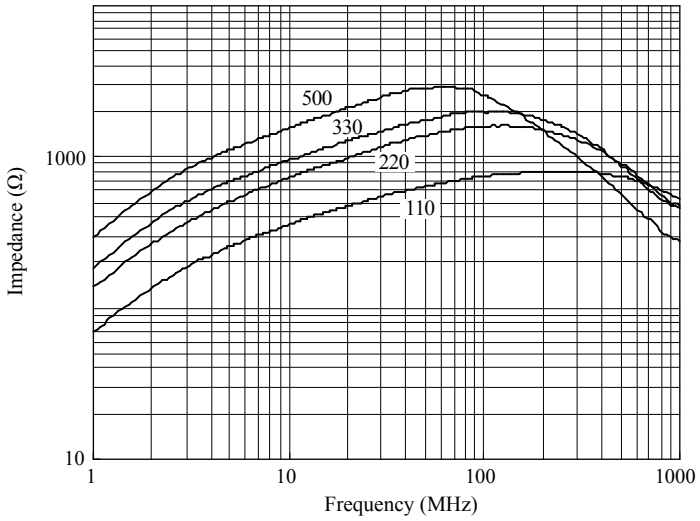
SF

SF0503 Series						
DWG. No.	L1, L2 @ 10kHz, 0.1 Vrms (μH)	Freq. range (MHz)	Impedance min. (Ω)	RDC (Ω) (Each Winding)		Rated Current (mA) max.
				max.	typ.	
SF0503110YL□-□□□	11.0 +50% -30%	100~400	450	0.18	0.13	100
SF0503220YL□-□□□	22.0 +50% -30%	40~250	900	0.23	0.17	100
SF0503330YL□-□□□	33.0 +50% -30%	30~180	1000	0.27	0.20	100
SF0503500YL□-□□□	50.0 +50% -30%	20~60	1200	0.32	0.24	100

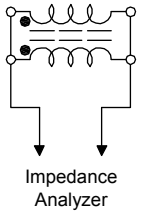
1. Electrical specifications at 25°C
2. Rated voltage 50 Vdc / 100 Vdc(ref.)
3. Hi-Pot (N-N): 500 Vac / 60 Hz, 3 mA / 1sec.
4. Rated current base on Temp. rise 25°C max.

SF0503 Series

Impedance VS. Frequency

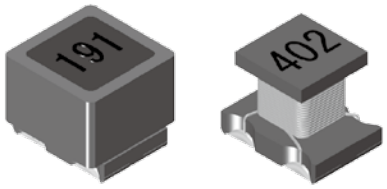


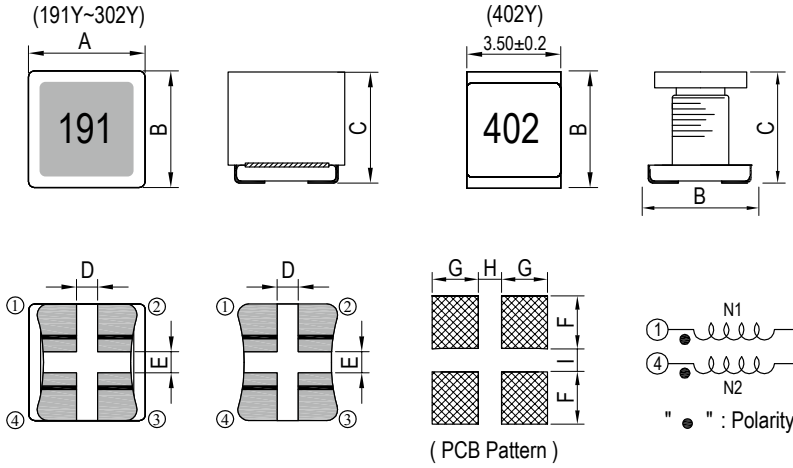
Measuring circuit :



SF SERIES 0504

General





Unit: mm

Series	A	B	C (191Y~351Y)	C (102Y~402Y)	D	E	F	G	H	I
SF0504	4.80±0.20	5.00±0.20	4.80 max.	4.70 max.	0.80 typ.	1.20 typ.	2.30 ref.	1.60 ref.	0.80 ref.	1.00 ref.

Features

- Bifilar winding with excellent impendence coupling effect
- Reduces radiated EMI emissions
- Dual winding inductors that can be used as either a single inductor, or in coupled inductor/ transformer applications (1:1 turns ratio)
- Operating temp.: -40°C ~ +125°C (including self-temperature rise)

compliant RoHS RoHS & HF compliant

Application

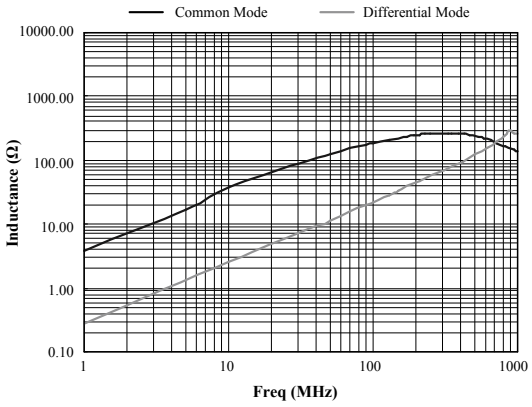
- Noise reducing for high-speed interfaces
- Input and output filter chokes

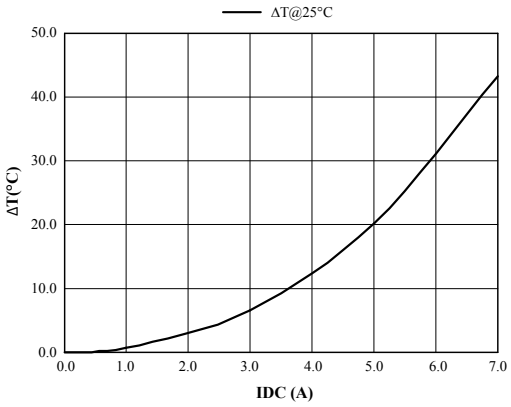
SF

SF0504 Series						
DWG. No.	Common mode impedance (at 100MHz, 20 degree C) (kΩ)	Inductance (μH) ref.	IDC (mA) typ.	RDC (mΩ) max.	Impedance (kΩ)	Freq. range (MHz)
SF0504191YL□-□□□	0.19±35%	0.60	5000	20.0	0.1 min.	100 ~ 700
SF0504351YL□-□□□	0.35±35%	1.10	2000	40.0	0.2 min.	90 ~ 400
SF0504102YL□-□□□	1.00±35%	2.70	1500	60.0	0.4 min.	50 ~ 300
SF0504152YL□-□□□	1.50±35%	3.60	1000	100.0	0.6 min.	40 ~ 200
SF0504302YL□-□□□	3.00±50%	6.00	500	200.0	0.9 min.	30 ~ 150
SF0504402YL□-□□□	4.00±50%	2.80	200	300.0	2.0 min.	80 ~ 160

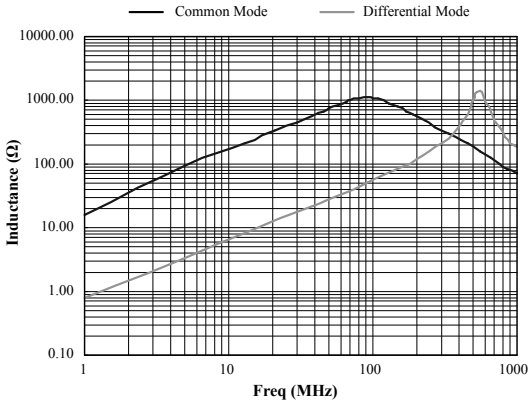
1. Electrical specifications at 25°C
2. Rated voltage 50 Vdc
3. Withstand Voltage 125Vdc
4. Insulation Resistance 10MΩ min.
5. Inductanct test Freq.:100kHz / 0.1V
6. IDC base on Temp. rise 40°C typ.

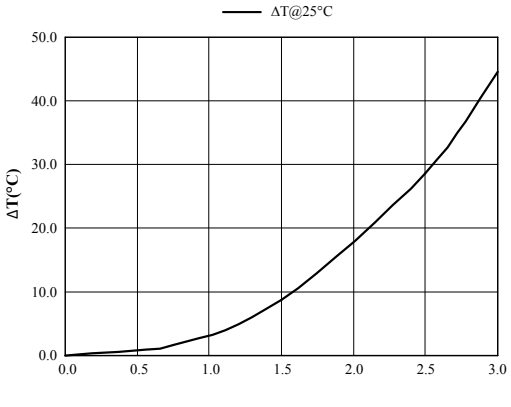
SF0504191YL□



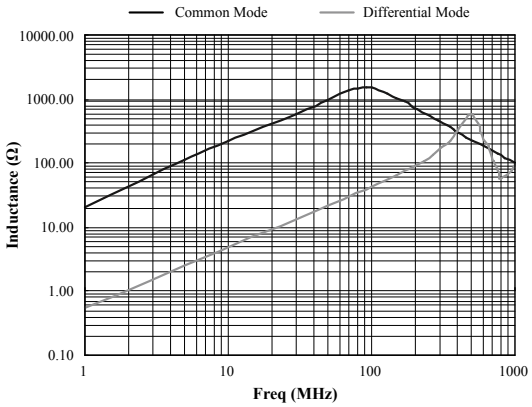


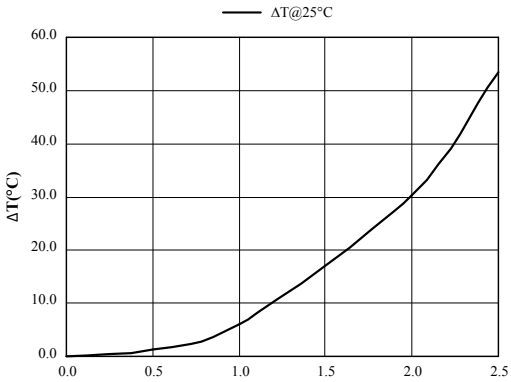
SF0504102YL□



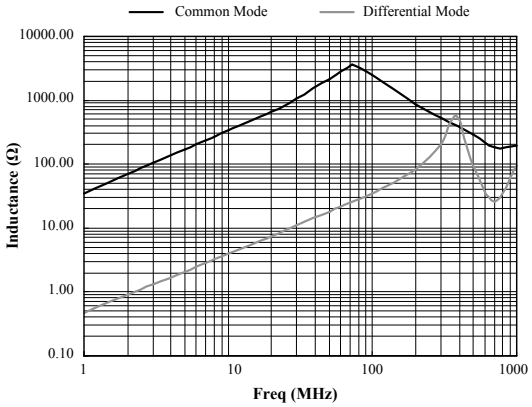


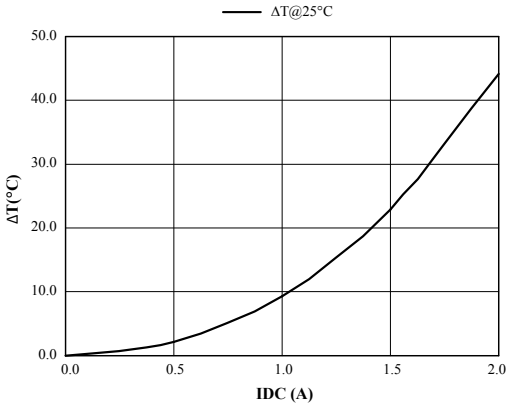
SF0504152YL□





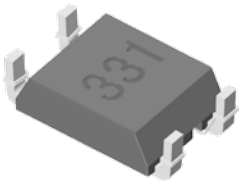
SF0504302YL□

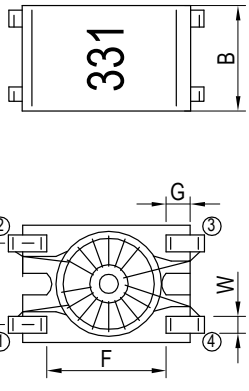




SF SERIES 0602

General





Unit: mm

Series	A	B	C	D	E	F	G	W
SF0602	6.50 max.	3.60±0.15	1.65±0.15	0.90 min.	2.50±0.10	3.40±0.20	0.80 max.	0.55±0.10

Features

- Bifilar winding with excellent impendence coupling effect
- Reduces radiated EMI emissions
- Dual winding inductors that can be used as either a single inductor, or in coupled inductor/ transformer applications (1:1 turns ratio)
- Operating temp.: -40°C ~ +105°C (including self-temperature rise)

compliant RoHS RoHS & HF compliant

Application

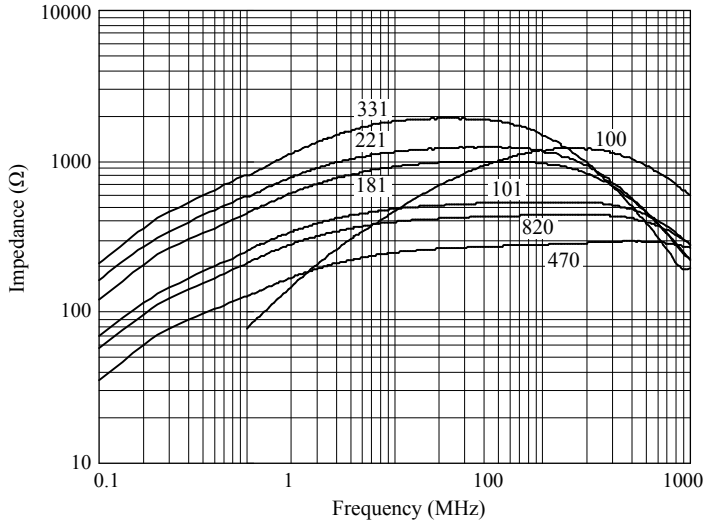
- Noise reducing for high-speed interfaces
- Input and output filter chokes

SF0602 Series							
DWG. No.	L (μH)	| L-L | (μH) max.	RDC (Ω) max. N1=N2	Rated current (mA)	HI-POT Test	Impedance (Z)	
						Freq. range MHz	min (Ω)
SF0602100YL□-□□□	10±50%	1.0	0.24	300	250 Vac 60 Hz 3 mA 1 minute	35 ~ 570	600
SF0602470YL□-□□□	47±50%	4.0	0.16	300		4 ~ 1600	140
SF0602820YL□-□□□	82±50%	4.0	0.20	300		3 ~ 850	220
SF0602101YL□-□□□	100±50%	8.0	0.22	300		3 ~ 660	260
SF0602181YL□-□□□	180±50%	8.0	0.25	300		3 ~ 250	500
SF0602221YL□-□□□	220±50%	10.0	0.28	300		3 ~ 210	600
SF0602331YL□-□□□	330±50%	10.0	0.30	300		3 ~ 120	900

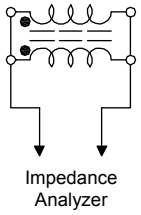
1. Electrical specifications at 25°C
2. Inductance Test Freq. at 10kHz / 20mV
3. Nominal voltage : 60Vdc
4. Rated current base on Temp. rise 20°C max.

SF0602 Series

Impedance CURVE



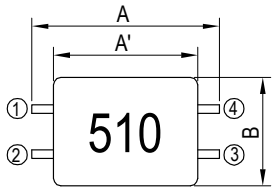
Measuring circuit :

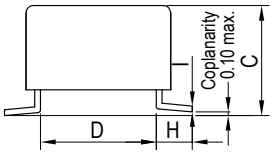


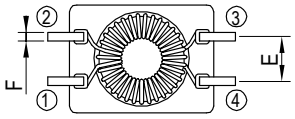
SF

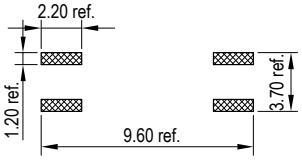
SF SERIES 0904

General

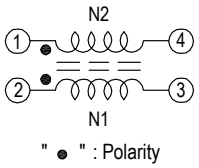








(PCB Pattern)



" ● " : Polarity

Unit: mm

Series	A	A'	B	C	D	E	F	H	I
SF0904	9.00±0.30	7.30 typ.	5.40±0.20	4.70±0.15	5.50 typ.	2.54 typ.	0.50 typ.	1.75 typ.	0.30 typ.

Features

- Bifilar winding with excellent impendence coupling effect
- Reduces radiated EMI emissions
- Dual winding inductors that can be used as either a single inductor, or in coupled inductor/ transformer applications (1:1 turns ratio)
- Operating temp.: -40°C ~ +105°C (including self-temperature rise)

compliant RoHS RoHS & HF compliant

Application

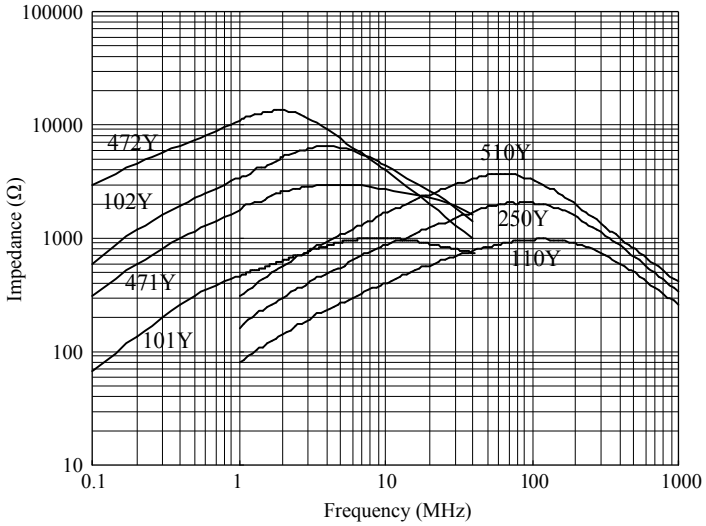
- Noise reducing for high-speed interfaces
- Input and output filter chokes

SF0904 Series							
DWG. No.	L (1-4) @ 100kHz,0.1 Vrms (μH)	LL (1-4) @ 100kHz,0.1 Vrms (μH) typ. (2-3 short)	RDC (Ω) max.	Rated Current max. (A)	Impedance (Ω) min.	Freq. Range (MHz)	Winding
SF0904110YP□-□□□	11.0±25%	0.05	0.12	0.5	300	20~300	Bifilar
SF0904250YP□-□□□	25.0±25%	1.50	0.20	0.5	700	20~150	Sector
SF0904510YP□-□□□	51.0±25%	2.00	0.30	0.5	1500	20~100	Sector
SF0904101YP□-□□□	100.0±25%	0.85	0.10	0.5	700	3~20	Sector
SF0904471YP□-□□□	470.0±25%	0.28	0.28	0.5	2000	2~15	Bifilar
SF0904102YP□-□□□	1000.0±25%	0.29	0.40	0.5	2800	1~10	Bifilar
SF0904472YP□-□□□	4700.0±25%	0.30	0.70	0.2	6000	0.5~3	Bifilar

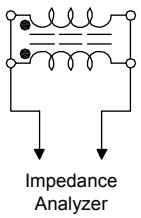
1. Electrical specifications at 25°C
2. Rated voltage 80 Vdc / 42 Vac
3. Hi-Pot (N-N):250 Vac / 60 Hz , 3 mA / 1sec.
4. Rated current base on Temp. rise 30°C max.

SF0904 Series

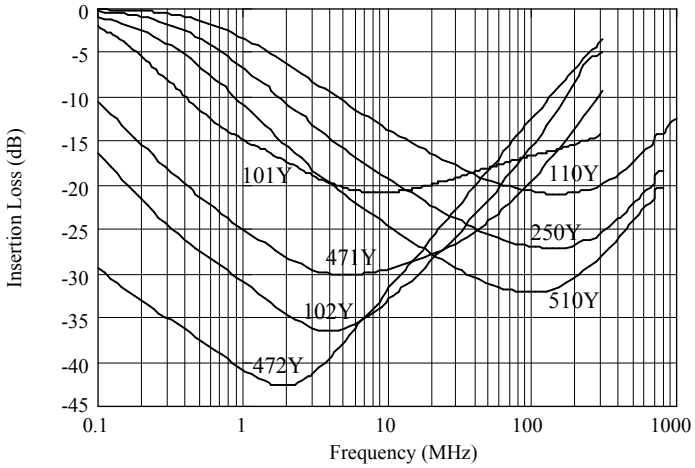
Impedance VS. Frequency



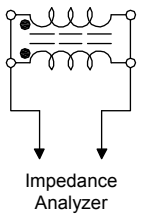
Measuring circuit :



Insertion Loss VS. Frequency

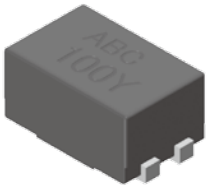


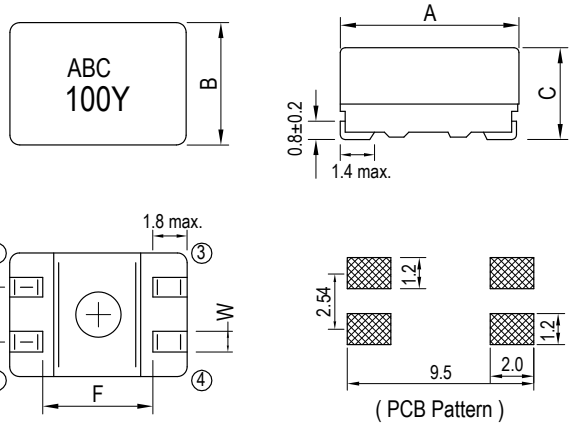
Measuring circuit :



SF SERIES 0905

General





Unit: mm

Series	A	B	C	E	F	W
SF0905	9.20±0.30	6.00±0.30	5.00±0.30	2.54±0.20	5.70 ref.	1.00±0.10

Features

- Bifilar winding with excellent impendence coupling effect
- Reduces radiated EMI emissions
- Dual winding inductors that can be used as either a single inductor, or in coupled inductor/ transformer applications (1:1 turns ratio)
- Operating temp.: -40°C ~ +105°C (including self-temperature rise)

compliant RoHS RoHS & HF compliant

Application

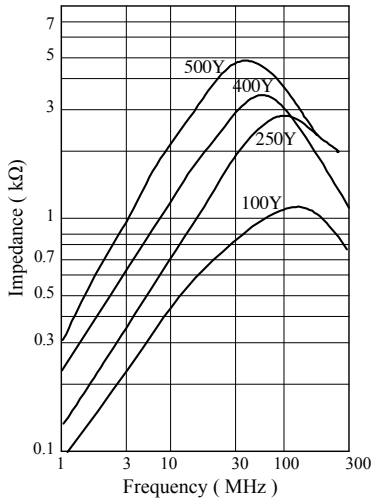
- Noise reducing for high-speed interfaces
- Input and output filter chokes

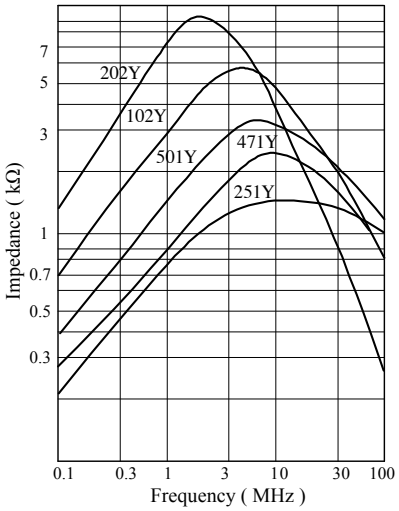
SF

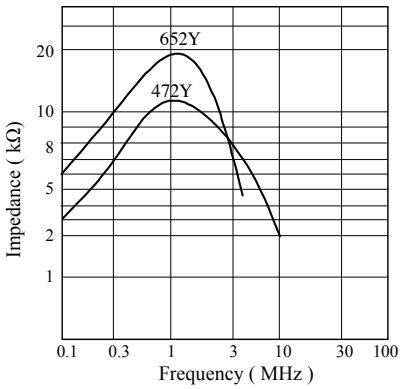
SF0905 Series							
DWG. No.	Inductance L1 , L2 (μH)	Test condition	DC Resistance N1 , N2 (Ω)	Nominal Voltage Vdc (V)	Rated current (A)	Impedance (Ω)	Freq. Range (MHz)
SF0905100YL□-□□□	10±30%	0.1V,1kHz	0.08 max.	80	1.6	200 min.	20 ~ 300
SF0905250YL□-□□□	25±30%	0.1V,1kHz	0.16 max.	80	1.0	600 min.	20 ~ 150
SF0905400YL□-□□□	40±30%	0.1V,1kHz	0.25 max.	80	0.9	800 min.	20 ~ 100
SF0905500YL□-□□□	50±30%	0.1V,1kHz	0.32 max.	80	0.8	1500 min.	20 ~ 100
SF0905251YL□-□□□	250±50%	5mV,100kHz	0.13 max.	80	1.2	600 min.	3 ~ 20
SF0905471YL□-□□□	470±50%	5mV,100kHz	0.14 max.	80	1.1	1000 min.	2 ~ 20
SF0905501YL□-□□□	500±50%	5mV,100kHz	0.15 max.	80	1.0	1000 min.	1 ~ 20
SF0905102YL□-□□□	1000±50%	5mV,100kHz	0.31 max.	80	0.8	1500 min.	1 ~ 15
SF0905202YL□-□□□	2000±50%	5mV,100kHz	0.42 max.	80	0.6	3000 min.	1 ~ 5
SF0905472YL□-□□□	4700±50%	5mV,100kHz	0.90 max.	80	0.4	4000 min.	0.3 ~ 3
SF0905652YL□-□□□	6500±50%	5mV,100kHz	1.05 max.	80	0.3	5000 min.	0.3 ~ 2

1. Electrical specifications at 25°C
2. Irms base on Temp. rise 45°C max.
3. HI-Pot test (N1-N2) :500Vac / 60Hz , 3mA , 3sec.

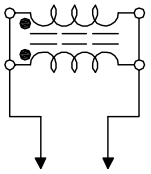
SF0905 Series





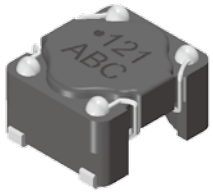


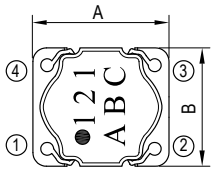
Measuring circuit :

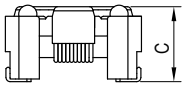


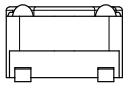
SF SERIES 1065

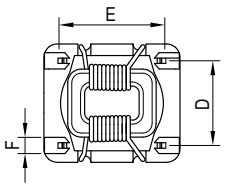
General



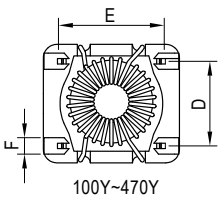




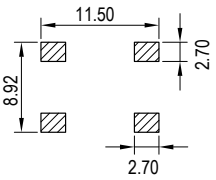




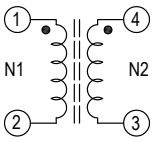
101Y~102Y



100Y~470Y
202Y~502Y



(PCB Pattern)



" ● " : Polarity

Unit: mm

Series	A	B	C	D	E	F
SF1065	10.00±0.50	8.70±0.30	6.50 max.	6.22±0.10	7.62±0.10	1.40 ref.

Features

- Bifilar winding with excellent impendence coupling effect
- Reduces radiated EMI emissions
- Dual winding inductors that can be used as either a single inductor, or in coupled inductor/ transformer applications (1:1 turns ratio)
- Operating temp.: -20°C ~ +80°C (including self-temperature rise)

compliant RoHS

RoHS & HF compliant

Application

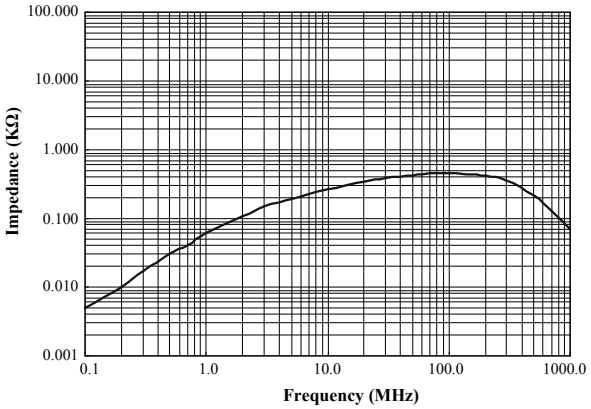
- Noise reducing for high-speed interfaces
- Input and output filter chokes

SF

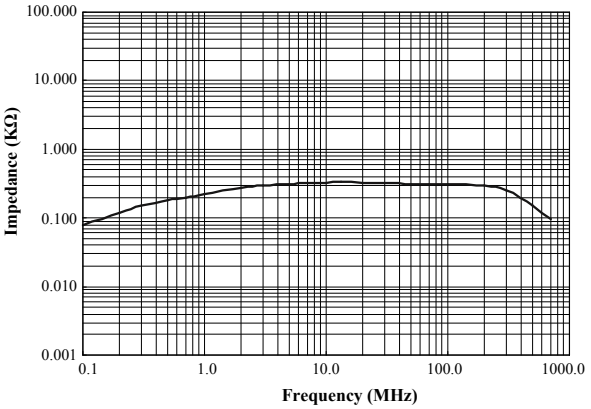
SF1065 Series						
DWG. No.	Inductance L1 , L2 (μH)	RDC (Ω) max. N1=N2	IDC (A) max.	HI-POT Test	Impedance (Z)	
					Freq. range MHz	min (Ω)
SF1065100YL□-□□□	10 ±40%	0.030	4.00	600 Vac 60 Hz 3 mA 1 minute	10 ~ 300	100
SF1065220YL□-□□□	22 ±40%	0.035	3.80		10 ~ 200	300
SF1065470YL□-□□□	47 ±40%	0.040	3.20		10 ~ 100	800
SF1065101YL□-□□□	100 ±40%	0.025	3.00	1000 Vac 60 Hz 3 mA 1 minute	10 ~ 300	100
SF1065121YL□-□□□	120 ±40%	0.025	2.50		10 ~ 200	200
SF1065221YL□-□□□	220 ±40%	0.032	2.20		7 ~ 150	350
SF1065251YL□-□□□	250 ±40%	0.035	2.00		5 ~ 100	400
SF1065471YL□-□□□	470 ±40%	0.065	1.60		2 ~ 40	900
SF1065501YL□-□□□	500 ±40%	0.070	1.50		2 ~ 50	800
SF1065102YL□-□□□	1000 ±40%	0.180	0.95		1 ~ 40	1400
SF1065202YL□-□□□	2000 ±40%	0.270	0.80	300 Vac 60 Hz 3 mA 1 minute	0.5 ~ 15	2000
SF1065222YL□-□□□	2200 ±40%	0.300	0.75		1 ~ 11	3400
SF1065302YL□-□□□	3000 ±40%	0.330	0.70		0.5 ~ 10	3000
SF1065332YL□-□□□	3300 ±40%	0.360	0.65		0.9 ~ 7	4400
SF1065392YL□-□□□	3900 ±40%	0.540	0.52		0.7 ~ 6	5000
SF1065402YL□-□□□	4000 ±40%	0.550	0.45		0.5 ~ 5	4000
SF1065472YL□-□□□	4700 ±40%	0.720	0.35		0.6 ~ 3	6200
SF1065502YL□-□□□	5000 ±40%	0.620	0.30		0.5 ~ 3	5000

1. Electrical specifications at 25°C
2. Inductance Test Condition.:100kHz / 0.1V
3. Nominal voltage : 60Vdc
4. IDC base on Temp. rise 45°C max.

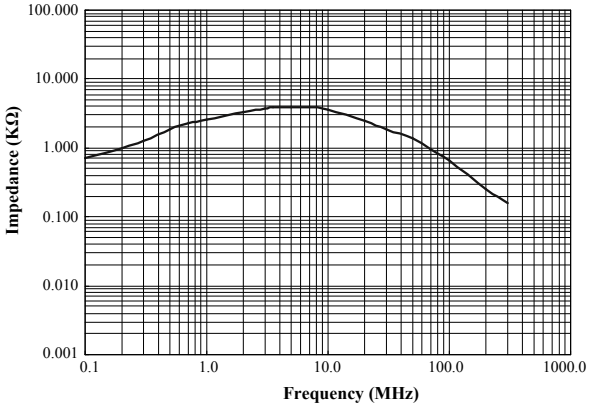
SF1065100YL□



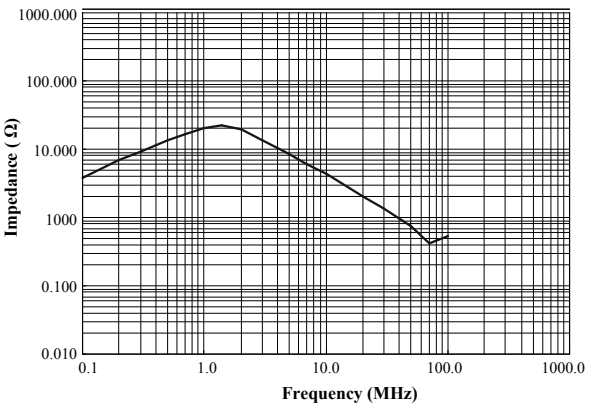
SF1065101YL□



SF1065102YL□

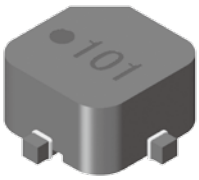


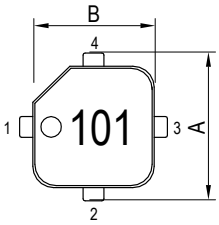
SF1065502YL□

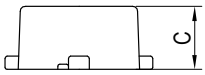


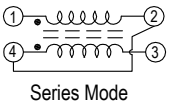
SF SERIES 1206

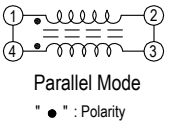
General

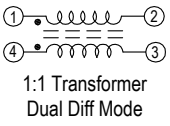


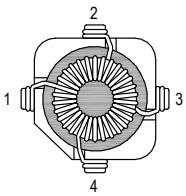


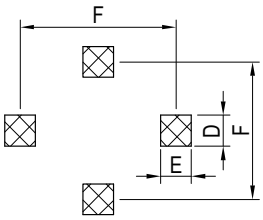












(PCB Pattern)

Unit: mm

Series	A	B	C	D	E	F
SF1206	11.50±0.50	9.00±0.50	5.70 max.	2.54 ref.	2.54 ref.	9.80 ref.

Features

- Bifilar winding with excellent impendence coupling effect
- Reduces radiated EMI emissions
- Dual winding inductors that can be used as either a single inductor, or in coupled inductor/ transformer applications (1:1 turns ratio)
- Operating temp.: -55°C ~ +125°C (including self-temperature rise)

compliant RoHS

RoHS & HF compliant

Application

- Noise reducing for high-speed interfaces
- Input and output filter chokes

SF

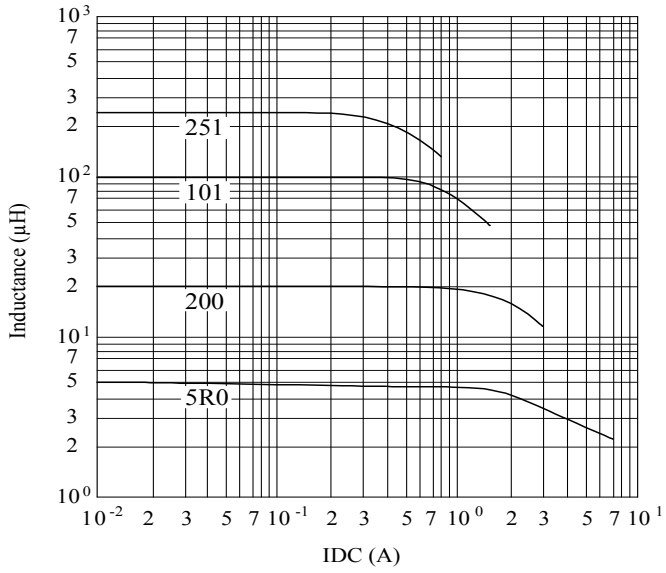
SF1206 Series								
DWG. No.	Parallel				Series			
	L (μH) 1k/0.1V	Irms (A)	L (μH) @ raded I	RDC (Ω) max.	L (μH) 1k/0.1V	Irms (A)	L (μH) @ raded I	RDC (Ω) max.
SF12065R0ML□-□□□	5±20%	2.41	3.8±20%	0.023	20±20%	1.20	15.2±20%	0.092
SF12068R0ML□-□□□	8±20%	1.90	6.1±20%	0.037	32±20%	0.95	23.2±20%	0.150
SF1206100ML□-□□□	10±20%	1.83	7.4±20%	0.040	40±20%	0.92	29.6±20%	0.160
SF1206150ML□-□□□	15±20%	1.45	11.1±20%	0.063	60±20%	0.73	44.4±20%	0.250
SF1206200ML□-□□□	20±20%	1.25	15.2±20%	0.086	80±20%	0.63	60.8±20%	0.340
SF1206250ML□-□□□	25±20%	1.17	18.5±20%	0.098	100±20%	0.59	74.0±20%	0.390
SF1206330ML□-□□□	33±20%	0.98	24.8±20%	0.140	132±20%	0.49	99.2±20%	0.560
SF1206500ML□-□□□	50±20%	0.78	37.5±20%	0.220	200±20%	0.38	150.0±20%	0.880
SF1206680ML□-□□□	68±20%	0.72	49.6±20%	0.260	272±20%	0.36	198.4±20%	1.040
SF1206101ML□-□□□	100±20%	0.58	74.0±20%	0.400	400±20%	0.29	296.0±20%	1.600
SF1206151ML□-□□□	150±20%	0.47	111.0±20%	0.600	600±20%	0.24	444.0±20%	2.400
SF1206201ML□-□□□	200±20%	0.40	150.0±20%	0.840	800±20%	0.20	600.0±20%	3.360
SF1206251ML□-□□□	250±20%	0.33	192.5±20%	1.190	1000±20%	0.17	770.0±20%	4.760
SF1206301ML□-□□□	300±20%	0.32	225.0±20%	1.310	1200±20%	0.16	900.0±20%	5.240

1. Electrical specifications at 25°C
2. Irms: base on temp. rise 35°C max.

Note: SF1206500M parallel inductance may change to 51.18μH @ 10kHz/1V.

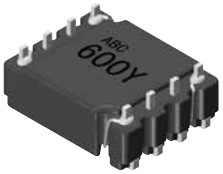
SF1206 Series

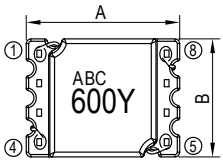
@ Inductance VS. DC Current Curve

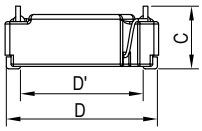


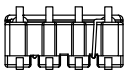
SF SERIES 1355

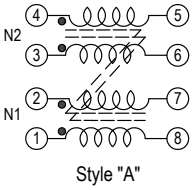
General

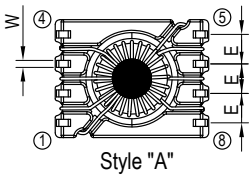


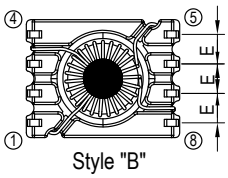


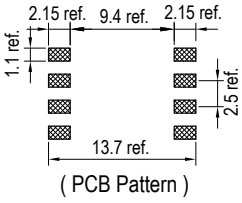


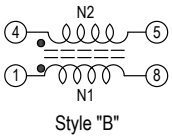












Unit: mm

Series	A	B	C	D	D'	E	W
SF1355	12.40±0.30	10.20±0.30	5.40±0.30	12.70±0.50	9.80 ref.	2.50±0.20	0.70±0.20

Features

- Bifilar winding with excellent impendence coupling effect
- Reduces radiated EMI emissions
- Dual winding inductors that can be used as either a single inductor, or in coupled inductor/ transformer applications (1:1 turns ratio)
- Operating temp.: -40°C ~ +80°C (including self-temperature rise)

compliant RoHS

RoHS & HF compliant

Application

- Noise reducing for high-speed interfaces
- Input and output filter chokes

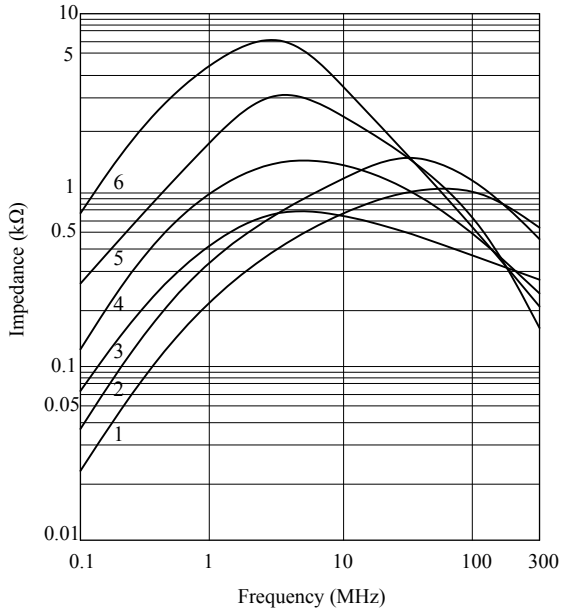
SF

SF1355 Series								
DWG. No.	Inductance (μH) 0.1 V, 100 kHz		RDC N1 , N2 (Ω)	Rated current (A)	HI-POT Test	Impedance (Ω)	Freq. Range (MHz)	Style
	N1, N2	| N1-N2 |						
SF1355350YS□-□□□	35±35%	4 max.	0.035 max.	2.70 max.	AC500V 60 Hz 3 mA 1 Minute	400 min.	5 ~ 250	B
SF1355600YS□-□□□	60±35%	5 max.	0.065 max.	2.00 max.		600 min.	5 ~ 100	B
SF1355101YS□-□□□	100±35%	15 max.	0.100 max.	0.70 max.		300 min.	1 ~ 50	A
SF1355251YS□-□□□	250±35%	25 max.	0.150 max.	0.60 max.		600 min.	1 ~ 40	A
SF1355501YS□-□□□	500±35%	35 max.	0.300 max.	0.40 max.		1200 min.	1 ~ 40	A
SF1355102YS□-□□□	1000±35%	45 max.	0.400 max.	0.35 max.		2200 min.	0.5 ~ 10	A

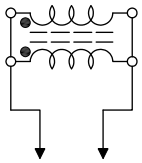
1. Electrical specifications at 25°C
2. Temp. rise: 45°C max. at rated current

SF1355 Series

6 : SF1355102YS□
5 : SF1355501YS□
4 : SF1355251YS□
3 : SF1355101YS□
2 : SF1355600YS□
1 : SF1355350YS□



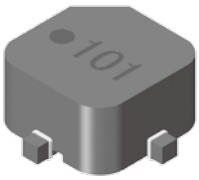
Measuring circuit :

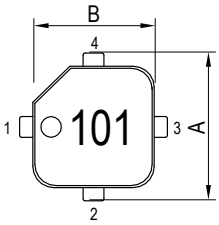


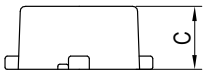
SF

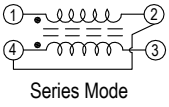
SF SERIES 1407

General

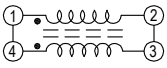




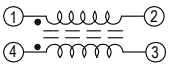




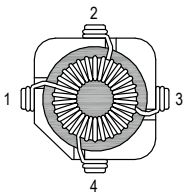
Series Mode

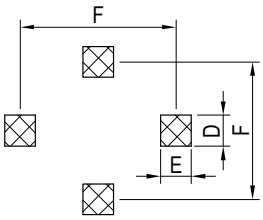


Parallel Mode
" ● " : Polarity



1:1 Transformer
Dual Diff Mode





(PCB Pattern)

Unit: mm

Series	A	B	C	D	E	F
SF1407	14.00±0.50	11.50±0.50	6.70 max.	4.00 ref.	2.54 ref.	12.70 ref.

Features

- Bifilar winding with excellent impendence coupling effect
- Reduces radiated EMI emissions
- Dual winding inductors that can be used as either a single inductor, or in coupled inductor/ transformer applications (1:1 turns ratio)
- Operating temp.: -55°C ~ +125°C (including self-temperature rise)

compliant RoHS RoHS & HF compliant

Application

- Noise reducing for high-speed interfaces
- Input and output filter chokes

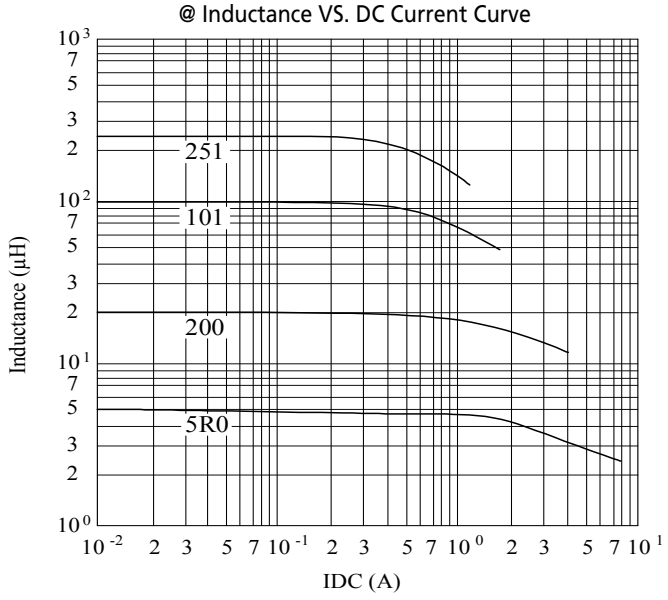
SF

SF1407 Series								
DWG. No.	Parallel				Series			
	L (μH) 1k/0.1V	Irms (A)	L (μH) @ raded I	RDC (Ω) max.	L (μH) 1k/0.1V	Irms (A)	L (μH) @ raded I	RDC (Ω) max.
SF14075R0ML□-□□□	5±20%	3.30	3.8±20%	0.019	20±20%	1.65	15.2±20%	0.076
SF14078R0ML□-□□□	8±20%	3.00	5.8±20%	0.024	32±20%	1.50	23.2±20%	0.096
SF1407100ML□-□□□	10±20%	2.70	7.3±20%	0.028	40±20%	1.35	29.2±20%	0.110
SF1407150ML□-□□□	15±20%	2.20	11.0±20%	0.041	60±20%	1.10	44.0±20%	0.160
SF1407200ML□-□□□	20±20%	2.02	14.2±20%	0.049	80±20%	1.01	56.8±20%	0.200
SF1407250ML□-□□□	25±20%	1.91	17.0±20%	0.054	100±20%	0.96	68.0±20%	0.220
SF1407330ML□-□□□	33±20%	1.60	23.1±20%	0.078	132±20%	0.80	92.4±20%	0.310
SF1407500ML□-□□□	50±20%	1.28	35.5±20%	0.120	200±20%	0.64	142.0±20%	0.480
SF1407680ML□-□□□	68±20%	1.19	46.2±20%	0.140	272±20%	0.60	184.8±20%	0.560
SF1407101ML□-□□□	100±20%	0.98	68.0±20%	0.210	400±20%	0.49	272.0±20%	0.840
SF1407151ML□-□□□	150±20%	0.78	103.5±20%	0.320	600±20%	0.39	414.0±20%	1.280
SF1407201ML□-□□□	200±20%	0.65	140.0±20%	0.470	800±20%	0.33	560.0±20%	1.880
SF1407251ML□-□□□	250±20%	0.60	172.5±20%	0.530	1000±20%	0.30	690.0±20%	2.120
SF1407301ML□-□□□	300±20%	0.52	213.0±20%	0.730	1200±20%	0.26	852.0±20%	2.920

1. Electrical specifications at 25°C
2. Irms: base on temp. rise 35°C max.

SF1407 Series

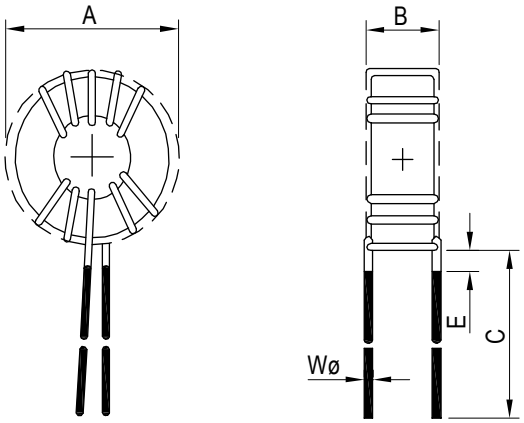
@ Inductance VS. DC Current Curve



TR SERIES

0806 / 1307 / 1711 / 1714 / 2616

Toroidal Core



Unit: mm

Features

- Ferrite toroidal core construction
- Operating temp.: -40°C ~ +125°C (including self-temperature rise)

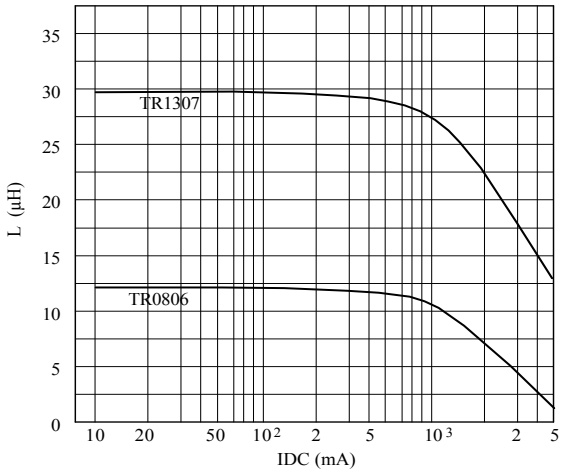
Application

- Industrial equipment
- Test instrumentation

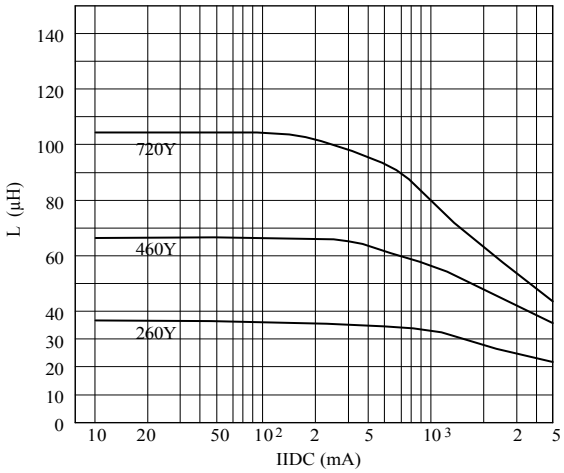
TR0806 Series								
DWG. No.	Inductance (μH) min.	DC Restistance (mΩ) max.	Rated Current (A)	Dimensions (mm)				
				A max.	B max.	C	E max.	WØ
TR0806100YL□-□□□	10	45	1	8.5	6.0	20.0±5	3.0	0.4
TR1307 Series								
DWG. No.	Inductance (μH) min.	DC Restistance (mΩ) max.	Rated Current (A)	Dimensions (mm)				
				A max.	B max.	C	E max.	WØ
TR1307250YL□-□□□	25	85	2	13.5	7.5	20.0±5	3.0	0.4
TR1711 Series								
DWG. No.	Inductance (μH) min.	DC Restistance (mΩ) max.	Rated Current (A)	Dimensions (mm)				
				A max.	B max.	C	E max.	WØ
TR1711260YL□-□□□	26	55	2	17.0	11.0	25.0±5	3.0	0.6
TR1711460YL□-□□□	46	70	2	17.0	11.0	25.0±5	3.0	0.6
TR1711720YL□-□□□	72	85	2	17.0	11.0	25.0±5	3.0	0.6
TR1714 Series								
DWG. No.	Inductance (μH) min.	DC Restistance (mΩ) max.	Rated Current (A)	Dimensions (mm)				
				A max.	B max.	C	E max.	WØ
TR1714450YL□-□□□	45	75	2	17.0	14.0	25.0±5	3.0	0.6
TR1714800YL□-□□□	80	85	2	17.0	14.0	25.0±5	3.0	0.6
TR1714131YL□-□□□	125	100	2	17.0	14.0	25.0±5	3.0	0.6
TR2616 Series								
DWG. No.	Inductance (μH) min.	DC Restistance (mΩ) max.	Rated Current (A)	Dimensions (mm)				
				A max.	B max.	C	E max.	WØ
TR2616350YL□-□□□	35	30	5	26.0	16.0	25.0±5	3.0	1.0
TR2616640YL□-□□□	64	40	5	26.0	16.0	25.0±5	3.0	1.0
TR2616101YL□-□□□	100	50	5	26.0	16.0	25.0±5	3.0	1.0

1. Electrical specifications at 25°C
2. Rated current base on temp. rise: 40°C max.
3. Inductance test condition: 0.1 V / 1 kHz

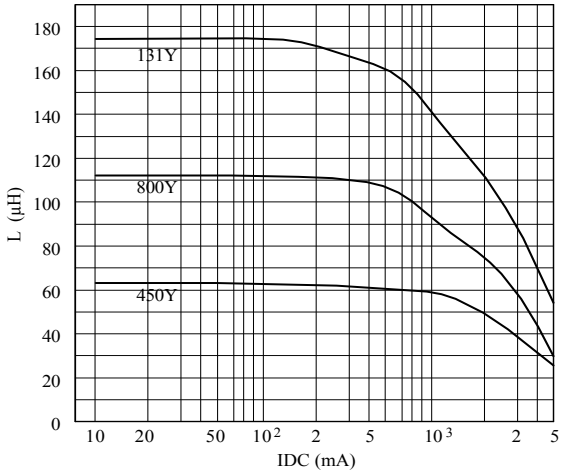
TR0806 / TR1307 Series



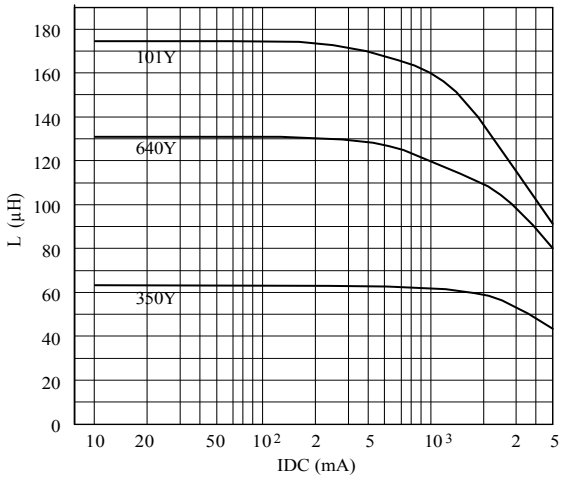
TR1711 Series



TR1714 Series



TR2616 Series

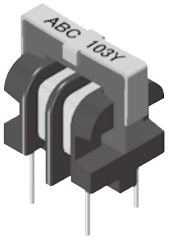


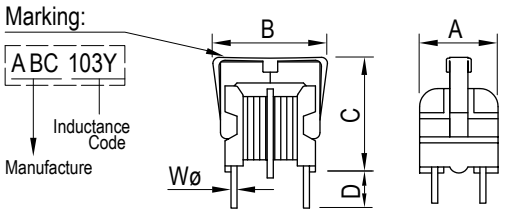
UF SERIES

09V2 / 09H2

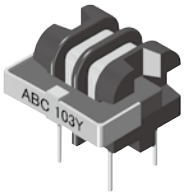
EMI Filter

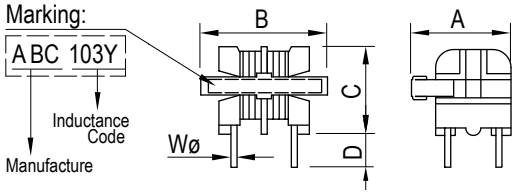
UF09V2

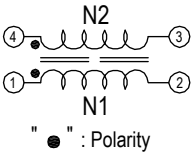




UF09H2







Unit: mm

Series	A	B	C	D	E	F	WØ
UF09V2	11.50 max.	16.50 max.	17.00 max.	5.00±1.00	7.00±0.50	8.00±0.50	0.60±0.05
UF09H2	15.00 max.	16.50 max.	13.00 max.	5.00±1.00	7.00±0.50	8.00±0.50	0.60±0.05

Features

- Excellent noise suppression for high frequency ranges
- High frequency characteristics for its split bobbin structure
- Operating temp.: -25°C ~ +85°C (including self-temperature rise)

compliant RoHS

RoHS & HF compliant

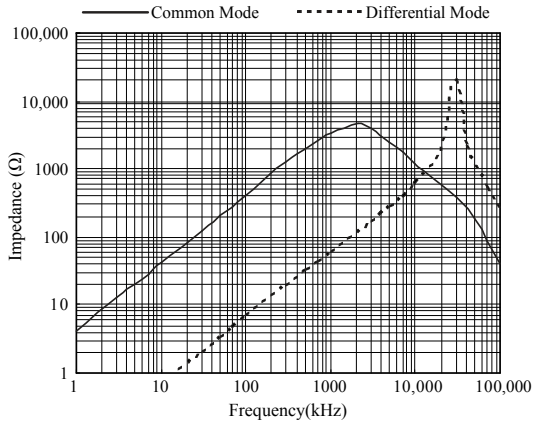
Application

- As AC common mode noise filter for, switching power supply
- PC & PC related devices, measurement and control units
- Also be used as a signal line with excellent withstanding voltage

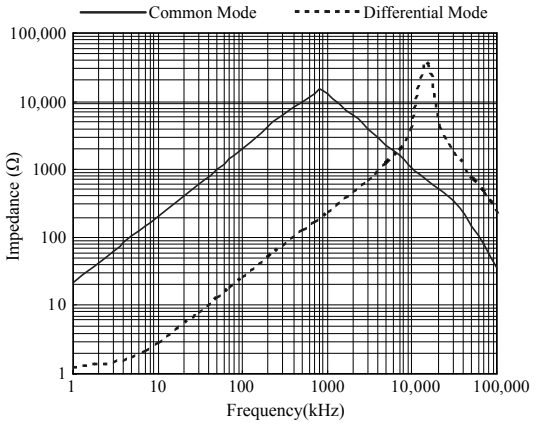
UF09V2 / UF09H2 Series			
DWG. No.	Inductance (mH) min.	RDC (Ω) max.	Rated Current (A)
UF09V2/ UF09H2501YL□-□□□	0.5	0.2	1.4
UF09V2/ UF09H2102YL□-□□□	1.0	0.4	1.0
UF09V2/ UF09H2202YL□-□□□	2.0	0.8	0.7
UF09V2/ UF09H2502YL□-□□□	5.0	1.6	0.5
UF09V2/ UF09H2802YL□-□□□	8.0	2.5	0.4
UF09V2/ UF09H2103YL□-□□□	10.0	3.6	0.3

1. Electrical specifications at 25°C
2. Rated current: base on temp. rise at 40°C max.
3. Hi Pot Test:AC 1.5kV / 60Hz / 3mA / 3 Sec

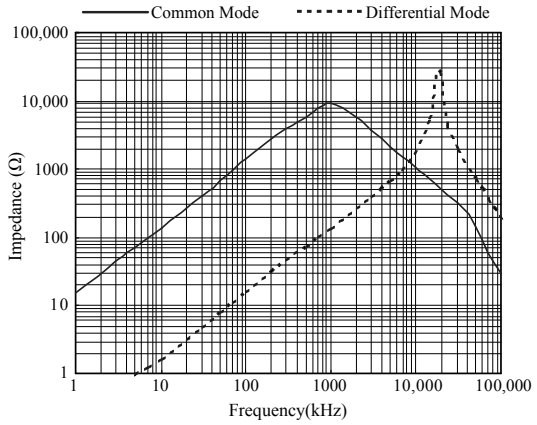
UF09V2/ UF09H2501YL□



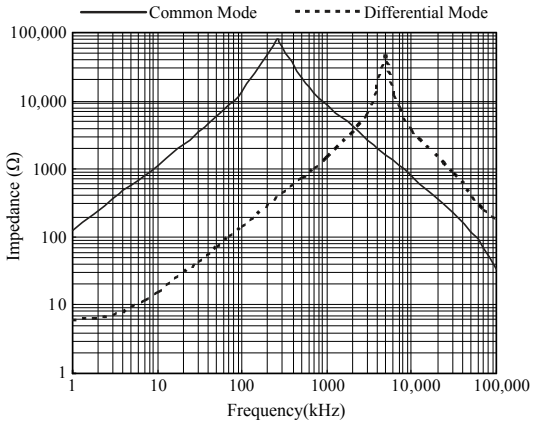
UF09V2/ UF09H2202YL□



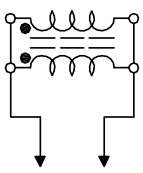
UF09V2/ UF09H2102YL□



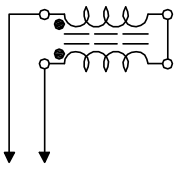
UF09V2/ UF09H2103YL□



Common Mode
Measuring circuit :



Differential Mode
Measuring circuit :



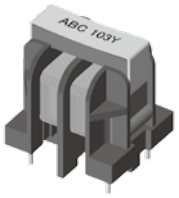
UF

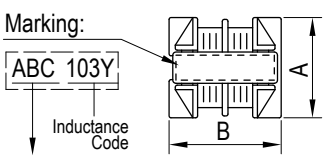
UF SERIES

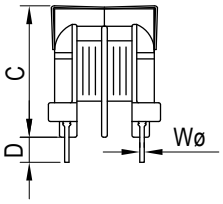
10V2 / 10V4

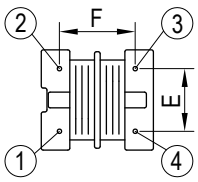
EMI Filter

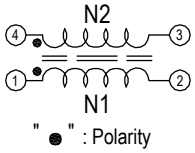
UF10V2



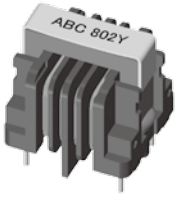


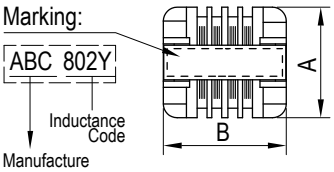


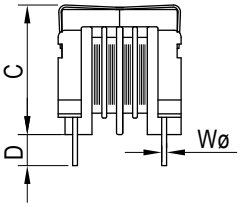


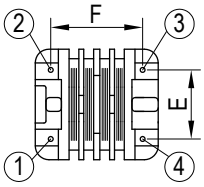


UF10V4









Unit: mm

Series	A	B	C	D	E	F	WØ
UF10V2	17.00 max.	19.00 max.	22.50 max.	4.50±1.00	10.00±0.50	13.00±0.50	0.70
UF10V4	17.00 max.	19.00 max.	20.50 max.	4.50±1.00	10.00±0.50	13.00±0.50	0.70

Features

- Excellent noise suppression for high frequency ranges
- High frequency characteristics for its split bobbin structure
- Operating temp.: -25°C ~ +85°C (including self-temperature rise)

Application

- As AC common mode noise filter for, switching power supply
- PC & PC related devices, measurement and control units
- Also be used as a signal line with excellent withstanding voltage

compliant RoHS

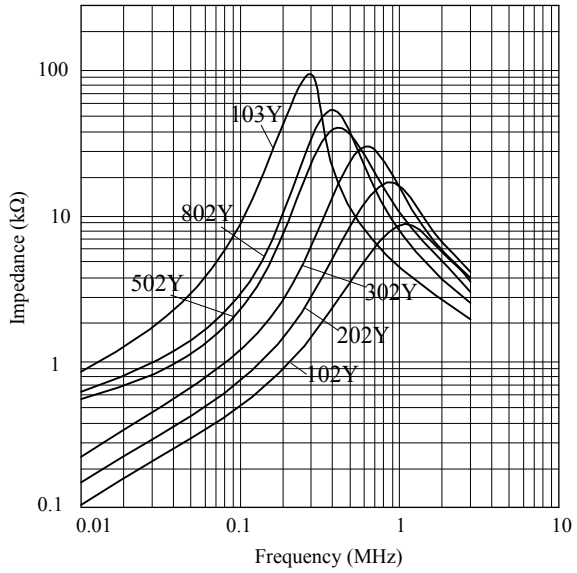
RoHS & HF compliant

UF10V2 Series			
DWG. No.	L (mH) min.	RDC (Ω) max.	Rated Current (A)
UF10V2103YL□-□□□	10.0	2.5	0.4
UF10V2802YL□-□□□	8.0	1.7	0.5
UF10V2502YL□-□□□	5.0	1.0	0.7
UF10V2302YL□-□□□	3.0	0.5	0.8
UF10V2202YL□-□□□	2.0	0.4	1.0
UF10V2102YL□-□□□	1.0	0.2	1.6

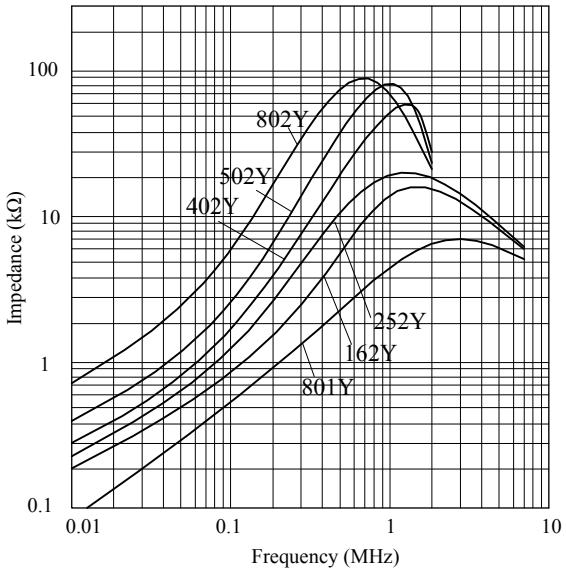
UF10V4 Series			
DWG. No.	L (mH) min.	RDC (Ω) max.	Rated Current (A)
UF10V4802YL□-□□□	8.0	2.4	0.4
UF10V4502YL□-□□□	5.0	1.5	0.5
UF10V4402YL□-□□□	4.0	1.0	0.7
UF10V4252YL□-□□□	2.5	0.5	0.8
UF10V4162YL□-□□□	1.6	0.4	1.0
UF10V4801YL□-□□□	0.8	0.2	1.6

1. Electrical specifications at 25°C
2. Temp. rise: 40°C max. at rated current

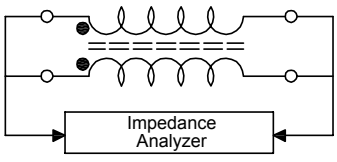
UF10V2 Series



UF10V4 Series



Measuring Circuit:

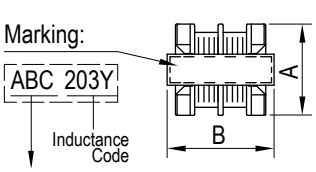


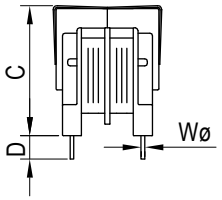
UF SERIES

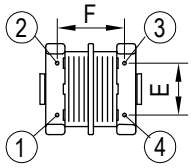
15V2 / 15V4

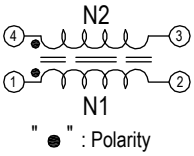
EMI Filter

UF15V2

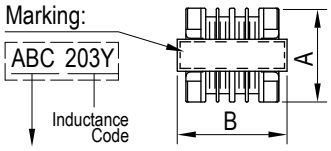


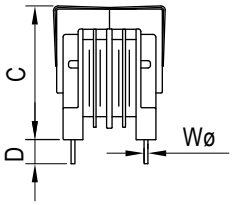


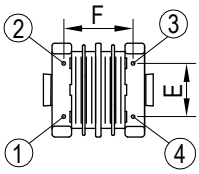




UF15V4







Unit: mm

Series	A	B	C	D	E	F	WØ
UF15V2	19.00 max.	23.00 max.	27.50 max.	4.50±1.00	10.00±0.50	13.00±0.50	0.70
UF15V4	19.00 max.	23.00 max.	27.50 max.	4.50±1.00	10.00±0.50	13.00±0.50	0.70

Features

- Excellent noise suppression for high frequency ranges
- High frequency characteristics for its split bobbin structure
- Operating temp.: -25°C ~ +85°C (including self-temperature rise)

Application

- As AC common mode noise filter for, switching power supply
- PC & PC related devices, measurement and control units
- Also be used as a signal line with excellent withstanding voltage

compliant RoHS

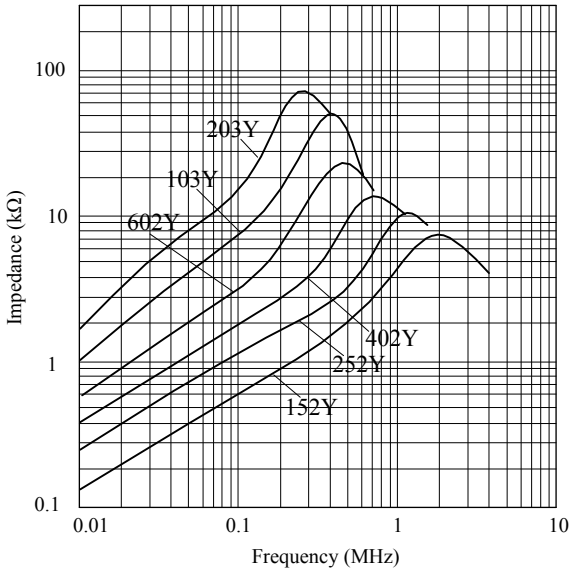
RoHS & HF compliant

UF15V2 Series			
DWG. No.	L (mH) min.	RDC (Ω) max.	Rated Current (A)
UF15V2203YL□-□□□	20.0	2.00	0.5
UF15V2103YL□-□□□	10.0	1.00	0.7
UF15V2602YL□-□□□	6.0	0.50	0.8
UF15V2402YL□-□□□	4.0	0.30	1.2
UF15V2252YL□-□□□	2.5	0.20	1.6
UF15V2152YL□-□□□	1.5	0.15	1.8

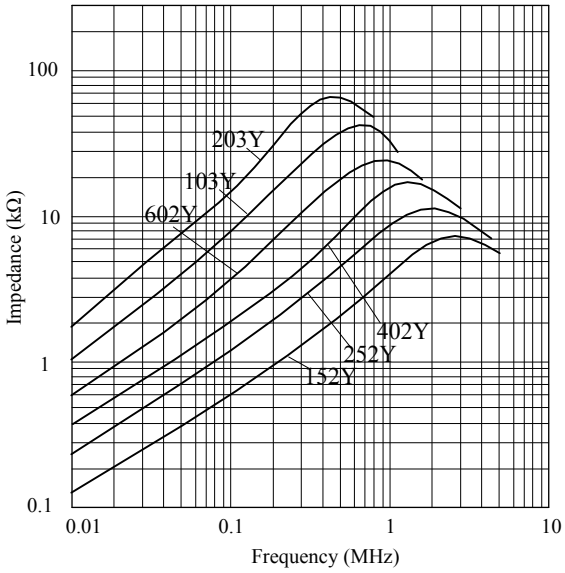
UF15V4 Series			
DWG. No.	L (mH) min.	RDC (Ω) max.	Rated Current (A)
UF15V4203YL□-□□□	20.0	2.00	0.5
UF15V4103YL□-□□□	10.0	1.00	0.7
UF15V4602YL□-□□□	6.0	0.50	0.8
UF15V4402YL□-□□□	4.0	0.30	1.2
UF15V4252YL□-□□□	2.5	0.20	1.6
UF15V4152YL□-□□□	1.5	0.15	1.8

1. Electrical specifications at 25°C
2. Temp. rise: 40°C max. at rated current

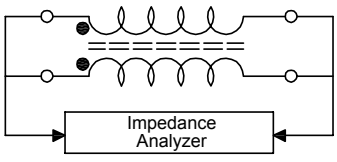
UF15V2 Series



UF15V4 Series



Measuring Circuit:



Packing Information

Type	Packing code	Reel		Carton		
		Unit Weight /pc	Q'TY (pcs)	Q'TY (pcs)	G.W. (kg)	Size (cm)
SWI0201 CT		0.2 mg	10,000	500,000	8.4	42 x 38.5 x 22.5
SWI0402 CT		0.8 mg	10,000	500,000	8.4	42 x 38.5 x 22.5
SWI0603 CT		3.7 mg	3,000	150,000	5.8	42 x 38.5 x 22.5
SWI0805 CT		8.4 mg	2,000	100,000	4.8	42 x 38.5 x 22.5
SWI1008 CT		25 mg	2,000	100,000	6.4	42 x 38.5 x 22.5
SWI1210 CT		45 mg	2,000	100,000	8.8	42 x 38.5 x 22.5
SWI0402 HP		0.8 mg	10,000	500,000	8.4	42 x 38.5 x 22.5
SWI0603 HP		3.7 mg	3,000	150,000	5.8	42 x 38.5 x 22.5
SWI1008 HQ		25 mg	2,000	100,000	6.4	42 x 38.5 x 22.5
SWI0603 FT		6 mg	3,000	150,000	5.8	42 x 38.5 x 22.5
SWI0805 FT		8 mg	2,000	100,000	4.8	42 x 38.5 x 22.5
SWI1008 FT		25 mg	2,000	100,000	6.4	42 x 38.5 x 22.5
SWI1210 FT		65 mg	2,000	100,000	10.8	42 x 38.5 x 22.5
SWI1008 PT		112 mg	750	30,000	7.2	42 x 38.5 x 22.5
LPI0603 FT		4.9 mg	3,000	150,000	5.8	42.0 x 38.5 x 22.5
LPI1210 FT		45 mg	2,000	100,000	7.4	42.0 x 38.5 x 22.5
HCI0805 FT		8.4 mg	2,000	100,000	4.8	42.0 x 38.5 x 22.5
MH0603	B	0.3 mg	15,000	750,000	7.0	41 x 39 x 22
MH1005	B	1.3 mg	10,000	500,000	5.5	42 x 41 x 24
MH1608	B	5.4 mg	4,000	200,000	7.0	41 x 39 x 22
MP1608	B	5.4 mg	4,000	200,000	7.0	41 x 39 x 22
MP2012	B	11.8 mg	3,000	150,000	6.8	41 x 39 x 22
MP2016	B	15 mg	3,000	150,000	6.8	41 x 39 x 22
MU0603	B	0.3 mg	15,000	750,000	7.0	41 x 39 x 22
MU1005	B	1.3 mg	10,000	500,000	5.5	42 x 41 x 24
MU1608	B	5.4 mg	4,000	200,000	7.0	41 x 39 x 22
MU2029	B	10 mg	4,000	200,000	8.5	41 x 39 x 22
MB1005	B	1.3 mg	10,000	500,000	5.5	42 x 41 x 24
MB1608	B	5.4 mg	4,000	200,000	7.0	41 x 39 x 22
MB2029	B	10 mg	4,000	200,000	8.5	41 x 39 x 22
CM3225	B	50 mg	1,000	50,000	7.5	39.5 x 39.5 x 23
CM3225	F	50 mg	2,000	100,000	15.0	39.5 x 39.5 x 23
CM4532	B D	110 mg	500	20,000	7.2	39.5 x 39.5 x 23
CM4532	C	110 mg	2,000	12,000	5.6	37.5 x 36.5 x 19
CM4532	F	110 mg	1,000	6,000	2.8	37.5 x 36.5 x 19
CC3225	B	45 mg	1,000	50,000	7.5	39.5 x 39.5 x 23
CC3225	F	45 mg	2,000	100,000	15.0	39.5 x 39.5 x 23
CC4532	B D	110 mg	500	20,000	8.0	39.5 x 39.5 x 23

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Packing Information

Type	Packing code	Reel		Carton		
		Unit Weight /pc	Q'TY (pcs)	Q'TY (pcs)	G.W. (kg)	Size (cm)
CC4532	C	110 mg	2,000	18,000	8.5	37.5 x 36.5 x 19
PB0705	B	0.9 g	950	5,700	11.4	40 x 40 x 14
PB1005	B	1.4 g	1,000	4,000	8.3	38 x 37 x 22
PB1007	B	2.4 g	500	2,000	8.0	38 x 37 x 22
PB1109	B	4.95 g	300	1,200	8.2	38 x 37 x 22
PB1308	B	5.5 g	350	1,400	10.0	38 x 37 x 22
PB1012	B	4 g	350	1,750	9.9	38 x 37 x 22
SQ3225	B	46 mg	1,000	50,000	8.5	42 x 41 x 24
SQ3225	C	46 mg	2,000	100,000	11.2	42 x 41 x 24
SQ4532	B	130 mg	500	20,000	8.1	42 x 41 x 24
SQ4532	C	130 mg	2,000	16,000	6.2	38 x 37 x 22
SQ5650	B	0.5 g	1,000	6,000	6.7	38 x 37 x 22
SB1608	B	0.1 g	600	24,000	9.0	42 x 41 x 24
SB1608	C	0.1 g	2,500	20,000	7.1	38 x 37 x 22
SB7030	B	0.44 g	1,500	9,000	7.5	38 x 37 x 22
SB7045	B	0.6 g	1,000	6,000	7.4	38 x 37 x 22
SB0805	B	0.8 g	800	3,200	5.9	38 x 37 x 22
SB1005	B D	1.3 g	600	2,400	6.1	38 x 37 x 22
SB1005	C	1.3 g	500	2,000	5.6	38 x 37 x 22
SB1806	B	4.0 g	250	1,000	6.9	38 x 37 x 22
SB2207	B	4.4 g	250	1,000	7.9	38 x 37 x 22
SR0302	B	80 mg	2,000	16,000	5.4	38 x 37 x 22
SR0302	C	80 mg	1,500	12,000	5.1	38 x 37 x 22
SR0403	B	0.18 g	2,000	16,000	6.8	38 x 37 x 22
SR0403	C	0.18 g	1,500	12,000	6.2	38 x 37 x 22
SR0502	B	0.2 g	800	32,000	10.3	42 x 41 x 24
SR0503	B	0.21 g	500	20,000	9.6	42 x 41 x 24
SR0503	C	0.21 g	2,000	16,000	7.4	38 x 37 x 22
SR0602	B	0.3 g	700	28,000	12.2	42 x 41 x 24
SR0603	B	0.35 g	400	16,000	11.0	42 x 41 x 24
SR0603	C	0.35 g	1,500	12,000	8.3	38 x 37 x 22
BR0604	B	0.36 g	1,500	12,000	8.2	38 x 37 x 22
SR0805	B C	0.81 g	1,000	6,000	9.0	38 x 37 x 22
SR0805	D	0.81 g	500	3,000	6.4	38 x 37 x 22
SR0906	B C	1.3 g	600	2,400	6.1	38 x 37 x 22
SR1006	B C D	1.16 g	800	3,200	7.5	38 x 37 x 22
SR1006	E	1.16 g	500	2,000	5.8	38 x 37 x 22
TPI3015		50 mg	2,000	100,000	9.3	42.0 x 38.5 x 22.5

Packing Information

Type	Packing code	Reel		Carton		
		Unit Weight /pc	Q'TY (pcs)	Q'TY (pcs)	G.W. (kg)	Size (cm)
TPI4018		115 mg	3,000	120,000	14.8	38.5 x 37.0 x 42.0
TPI4025		0.12 g	3,000	120,000	15.2	38.5 x 37.0 x 42.0
TPI5040		345 mg	1,000	40,000	14.6	38.5 x 37.0 x 42.0
TPI6045		0.61 mg	1,000	30,000	13.0	38.5 x 37.0 x 42.0
RN6045	B	0.56 g	1,000	6,000	6.9	38 x 37 x 22
RN8040	B	0.9 g	1,200	7,200	10.4	38 x 37 x 22
RN8040	C	0.9 g	1,000	6,000	9.2	38 x 37 x 22
RN1060	B	2.0 g	600	2,400	7.6	38 x 37 x 22
DP2016	B	18 mg	3,000	150,000	6.8	41 x 39 x 22
HC0312	B	0.06 g	4,000	24,000	11.5	37 x 37 x 23
HC0315	B	0.08 g	3,000	18,000	8.5	37 x 37 x 23
HC0320	B	0.1 g	2,500	15,000	8.0	37 x 37 x 23
HC0412	B	0.1 g	4,000	24,000	11.5	37 x 37 x 23
HC0415	B	0.16 g	3,000	18,000	8.5	37 x 37 x 23
HC0420	B	0.2 g	2,500	15,000	8.0	37 x 37 x 23
HC0512	B	0.16 g	4,000	24,000	11.5	37 x 37 x 23
HC0515	B	0.2 g	3,000	18,000	8.5	37 x 37 x 23
HC0520	B	0.22 g	2,500	15,000	8.5	37 x 37 x 23
HC0612	B	0.27 g	2,500	15,000	8.0	37 x 37 x 23
HC0615	B	0.3 g	2,000	12,000	7.0	37 x 37 x 23
HC0620	B	0.35 g	1,500	9,000	4.5	37 x 37 x 23
HE0412	B	0.1 g	3,000	12,000	4.0	38 x 37 x 22
HE0420	B	0.18 g	2,000	8,000	4.0	38 x 37 x 22
HE0530	B	0.45 g	2,000	8,000	6.0	38 x 37 x 22
HE0618	B	0.4 g	1,500	6,000	5.5	38 x 37 x 22
HE0624	B	0.55 g	1,000	4,000	5.5	38 x 37 x 22
HE0630-L	B	0.75 g	1,000	4,000	6.0	38 x 37 x 22
HE0630-S	B	0.75 g	1,000	4,000	6.0	38 x 37 x 22
HE0640	B	1.0 g	1,000	4,000	7.0	38 x 37 x 22
HE1040-L	B	2.3 g	800	3,200	11.0	38 x 37 x 22
HE1040-S	B	2.3 g	800	3,200	11.0	38 x 37 x 22
HE1235	B	3.3 g	500	2,000	10.5	38 x 37 x 22
HE1250	B	4.2 g	500	2,000	12.0	38 x 37 x 22
HE1265	B	6.0 g	400	1,600	12.5	38 x 37 x 22
HE1770	B	11.5 g	150	600	10.5	38 x 37 x 22
QS3818	B	0.11 g	1,000	40,000	10.0	42 x 41 x 24
QS3828	B	0.18 g	500	20,000	9.2	42 x 41 x 24
QS3828	C	0.18 g	2,500	20,000	7.7	38 x 37 x 22

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Packing Information

Type	Packing code	Reel		Carton		
		Unit Weight /pc	Q'TY (pcs)	Q'TY (pcs)	G.W. (kg)	Size (cm)
QS4818	B	0.19 g	800	32,000	11.7	42 x 41 x 24
QS4818	C	0.19 g	1,000	40,000	13.2	42 x 41 x 24
QS4828	B	0.27 g	500	20,000	10.9	42 x 41 x 24
QS4828	C	0.27 g	2,000	16,000	8.5	38 x 37 x 22
QS5818	B	0.25 g	500	15,000	8.5	42 x 41 x 24
QS5818	C	0.25 g	18,000	10,800	6.4	38 x 37 x 22
QS5828	B D	0.47 g	400	12,000	9.6	42 x 41 x 24
QS5828	C E	0.47 g	1,500	9,000	7.4	38 x 37 x 22
QS6822	B	0.4 g	500	15,000	11.2	42 x 41 x 24
QS6822	C	0.4 g	1,500	9,000	7.7	38 x 37 x 22
QS6828	C	0.51 g	1,500	9,000	8.8	38 x 37 x 22
SS6028	B	0.21 g	400	12,000	8.4	42 x 41 x 24
SS6028	B	0.21 g	1,500	9,000	6.4	38 x 37 x 22
SS6038	B	0.3 g	1,000	6,000	6.1	38 x 37 x 22
SS1608	B D	0.14 g	600	24,000	9.2	42 x 41 x 24
SS1608	C	0.14 g	2,500	20,000	7.2	38 x 37 x 22
SS1608	E	0.14 g	2,000	16,000	6.6	38 x 37 x 22
SS0603	B	0.41 g	1,000	6,000	6.4	38 x 37 x 22
SS0604	B	0.63 g	1,000	6,000	7.7	38 x 37 x 22
SS2506	B	0.11 g	1,000	30,000	11.5	42 x 41 x 24
SS7032	B	0.45 g	1,500	9,000	7.7	38 x 37 x 22
SS7032	C	0.45 g	1,000	6,000	6.4	38 x 37 x 22
SS7045	B	0.6 g	1,000	6,000	7.4	38 x 37 x 22
SS0805	B	0.83 g	1,000	6,000	6.9	38 x 37 x 22
SS0906	B	1.6 g	600	2,400	7.1	38 x 37 x 22
SS0908	B	2.4 g	400	1,600	7.0	38 x 37 x 22
SS1005	B	1.26 g	600	2,400	6.3	38 x 37 x 22
SS1005	C	1.26 g	500	2,000	5.8	38 x 37 x 22
SS1003	B	0.74 g	1,000	4,000	6.0	38 x 37 x 22
SS1045	B	1.3 g	700	2,800	6.7	38 x 37 x 22
SS1258	B	3.1 g	600	2,400	10.5	38 x 37 x 22
SS1278	B	4.25 g	400	1,600	9.7	38 x 37 x 22
SS1210	B	4.5 g	250	1,000	8.1	38 x 37 x 22
SS1240	B	2.35 g	800	3,200	10.4	38 x 37 x 22
SS1240	C	2.35 g	500	2,000	7.7	38 x 37 x 22
SS1260	B	3.65 g	600	2,400	11.1	38 x 37 x 22
SS1260	C	3.65 g	500	2,000	9.8	38 x 37 x 22
SS1280	B	4.6 g	400	1,600	9.9	38 x 37 x 22

Packing Information

Type	Packing code	Reel		Carton		
		Unit Weight /pc	Q'TY (pcs)	Q'TY (pcs)	G.W. (kg)	Size (cm)
SS1205	B	2.53 g	600	2,400	9.8	38 x 37 x 22
SS1206	B	3.4 g	600	2,400	11.0	38 x 37 x 22
SS1208	B	4.25 g	400	1,600	10.6	38 x 37 x 22
SS1806	B	3.3 g	250	1,000	6.2	38 x 37 x 22
SU5016	B	0.15 g	1,000	40,000	11.9	42 x 41 x 24
SU5018	B	0.17 g	1,000	40,000	12.0	42 x 41 x 24
SU5018	C	0.17 g	3,500	28,000	8.7	38 x 37 x 22
SU5028	B	0.27 g	600	24,000	12.0	42 x 41 x 24
SU6018	B	0.2 g	800	32,000	12.4	42 x 41 x 24
SU6025	B	0.3 g	600	24,000	12.9	42 x 41 x 24
SU8030	B	0.62 g	400	12,000	12.2	42 x 41 x 24
SU8030	C	0.62 g	1,500	9,000	9.3	38 x 37 x 22
SU8040	B	0.82 g	1,200	7,200	9.8	38 x 37 x 22
SU8043	B	0.9 g	1,000	6,000	8.9	38 x 37 x 22
SU8058	B	1.2 g	800	4,800	9.7	38 x 37 x 22
SU1030	B	0.9 g	1,200	4,800	7.7	38 x 37 x 22
SU1040	B	1.32 g	800	3,200	7.2	38 x 37 x 22
SU1048	B	1.63 g	600	2,400	6.6	38 x 37 x 22
SU1065	B	2.35 g	500	2,000	7.7	38 x 37 x 22
CU8030	B	0.69 g	400	12,000	13.2	42 x 41 x 24
CU8030	C	0.69 g	1,500	9,000	10.0	38 x 37 x 22
CU8043	B	1.1 g	1,000	6,000	9.8	38 x 37 x 22
CU8048	B	1.2 g	1,000	6,000	10.7	38 x 37 x 22
CU1038	B	2.6 g	800	3,200	8.3	38 x 37 x 22
CU1048	B	1.85 g	700	2,800	7.5	38 x 37 x 22
CU1206	B	3.15 g	600	2,400	11.1	38 x 37 x 22
BS0703	B	0.63 g	1,500	9,000	9.6	38 x 37 x 22
BS0704	B	0.88 g	1,000	6,000	9.0	38 x 37 x 22
BS0906	B	1.9 g	400	1,600	6.2	38 x 37 x 22
BF0703	B	0.6 g	1,500	9,000	9.2	38 x 37 x 22
SF1258	B	2.95 g	400	1,600	7.3	38 x 37 x 22
SF1278	B	4.1 g	400	1,600	9.1	38 x 37 x 22
PWC0603 ST		5 mg	2,000	100,000	4.5	42.0 x 38.5 x 22.5
PWC0805 ST		12 mg	2,000	100,000	5.5	42.0 x 38.5 x 22.5
PWC1206 ST		40 mg	2,000	100,000	8.3	42.0 x 38.5 x 22.5
PWC0805 HT		9 mg	2,000	120,000	4.8	42.0 x 38.5 x 22.5
QF7035	B	0.4 g	1,200	7,200	6.9	38 x 37 x 22
QF9045	B	0.67 g	1,000	6,000	7.9	38 x 37 x 22

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Packing Information

Type	Packing code	Reel		Carton		
		Unit Weight /pc	Q'TY (pcs)	Q'TY (pcs)	G.W. (kg)	Size (cm)
QF1260	B	2.2 g	500	2,000	7.8	38 x 37 x 22
SF3225	B	70 mg	1,200	60,000	8.5	41 x 39 x 22
SF4532	B	0.15 g	500	20,000	4.8	41 x 39 x 22
SF4532	C	0.15 g	2,000	16,000	6.7	38 x 37 x 22
SF0504	B	0.35 g	1,000	6,000	5.8	38 x 37 x 22
SF0504	B	0.35 g	1,500	9,000	5.7	38 x 37 x 22
SF0504	C	0.35 g	1,200	7,200	6.2	38 x 37 x 22
SF0504	C	0.35 g	1,500	12,000	8.4	38 x 37 x 22
SF0504	D	0.35 g	1,500	9,000	6.9	38 x 37 x 22
SF0504	D	0.35 g	1,000	6,000	5.0	38 x 37 x 22
SF0504	E	0.35 g	1,500	12,000	9.6	38 x 37 x 22
SF0502	B	0.2 g	3,000	24,000	8.0	38 x 37 x 22
SF0503	B	0.1 g	500	15,000	6.1	42 x 41 x 24
SF0503	C	0.1 g	2,000	12,000	4.7	38 x 37 x 22
SF0602	B	60 mg	1,000	40,000	8.2	42 x 41 x 24
SF0904	B	0.27 g	1,500	9,000	8.0	38 x 37 x 22
SF0905	B	0.42 g	1,000	6,000	6.5	38 x 37 x 22
SF1065	B	0.79 g	800	3,200	5.6	38 x 37 x 22
SF1206	B	1.0 g	400	1,600	4.7	38 x 37 x 22
SF1355	B	1.1 g	600	2,400	6.5	38 x 37 x 22
SF1407	B	1.9 g	400	1,600	6.2	38 x 37 x 22

MEMO

Quality Policy

We insist on the spirit of "service, innovation and seeking for excellent".
Based on the commitment **"I am doing the excellent all the time"**
and participation of everybody.
We provide our customers products with Best Quality,
Quick Delivery and Best Price.
We are committed to quality, continuous R&D innovation, energy saving, carbon reduction, and green sustainability, and we have launched on "10 Billion in 10 Years Plan" to build a technology industry group with "Annual Revenue Growing to 10 Billion dollars in 10 years".

品 質 政 策

我們秉持“服務、創新、追求卓越”的精神，透過

“凡經我手最美、最好”

的全員參與，提供品質、交期與價格符合客戶要求的產品。
我們以品質優勢、持續研發創新，奉行節能減碳，綠色永續，
展開「十年百億計畫」，建立 [年營收十年內上百億元] 之科技工業集團。

IATF 16949:2016
BUREAU VERITAS
Certification

ISO 9001
BUREAU VERITAS
Certification

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