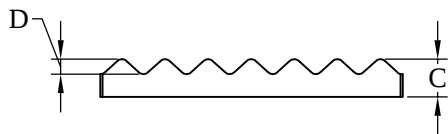
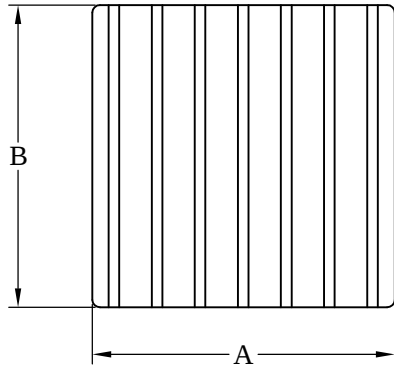


SPECIFICATION FOR APPROVAL

REF. :

PROD. NAME	Ceramic Heat Sink	ABC'S DWG NO.	MPW□□□□□□BAF-□□□		
		REV.	20221212-C	PAGE	1

I . Configuration :



Wave number : N



* Products comply with RoHS' requirements

SPECIFICATION FOR APPROVAL

REF. :

PROD.	Ceramic Heat Sink	ABC'S DWG NO.	MPW□□□□□□BAF-□□□			
NAME		REV.	20221212-C	PAGE	2	

II . dimensions and data sheet :

DWG. No.	Ceramic heat sink (Length, width, thickness & wave height)				Wave number	Unit : g Weight (ref.)
	A	B	C	D	N	
MPW151550BAF-□□□	15.0±0.3	15.0±0.3	5.0±0.2	2.0±0.2	3	1.55
MPW151570BAF-□□□	15.0±0.3	15.0±0.3	7.0±0.2	2.0±0.2	3	2.40
MPW202050BAF-□□□	20.0±0.5	20.0±0.5	5.0±0.2	2.0±0.2	4	2.80
MPW252550BAF-□□□	25.0±0.5	25.0±0.5	5.0±0.2	2.0±0.2	5	4.35
MPW303050BAF-□□□	30.0±0.5	30.0±0.5	5.0±0.2	2.0±0.2	6	6.30
MPW352250BAF-□□□	35.0±0.5	22.0±0.5	5.0±0.2	2.0±0.2	6	5.60
MPW352270BAF-□□□	35.0±0.5	22.0±0.5	7.0±0.2	2.0±0.2	6	8.10
MPW403550BAF-□□□	40.0±0.5	35.0±0.5	5.0±0.2	2.0±0.2	7	9.10
MPW404050BAF-□□□	40.0±0.5	40.0±0.5	5.0±0.2	2.0±0.2	7	10.30

SPECIFICATION FOR APPROVAL

REF. :

PROD.	Ceramic Heat Sink	ABC'S DWG NO.	MPW□□□□□□BAF-□□□		
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III . Ceramic Heat Sink Technical data sheet :

Main features		Item	Unit	Value	Method
Product		Ceramic Heat Sink with Micro-Pores Structure			
Product code		MP-SIC			
Color		Gray			
Specific gravity			g/cm ³	2.7	CNS619
Porosity			%	30	CNS619
Water absorption			%	15.77	CNS619
Mechanical properties	Mohs' hardness		N/mm ²	5~6	DIN EN101-1992
	Flexural strength		kgf/cm ²	47.5	CNS12701(1990)
	Bulk density		g/cm ³	1.6~2.0	CNS2893(1969)
	Resistance insulation		Ω	20*10 ⁶	ASTM D257
	Thermal conductivity		W/m-k	5~6	
	Maximum operating temperature		°C	<500	
	Linear thermal expansion coefficient		10 ⁻⁶	4.13	RT~300°C
Chemical composition	Main composition			SiC	80%↑
	Composition			Al ₂ O ₃	10%↑
	Composition			SiO ₂	4%↑
	Composition			Binding agents	5%↑

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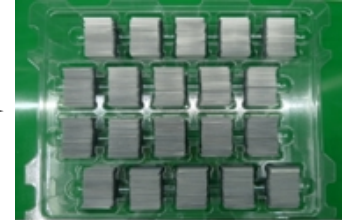
千如電子集團
ABC-ATEC ELECTRONICS GROUP

SPECIFICATION FOR APPROVAL

REF. :

PROD.	Ceramic Heat Sink	ABC'S DWG NO.		MPW□□□□□□BAF-□□□		
NAME		REV.	20221212-C	PAGE	4	

IV . Packaging information :



Q'TY & G.W.Per Packaging

DWG NO.	Inner : Tary		Outer : Carton		
	Q'TY(pcs)	G.W.(g)	Q'TY(pcs)	G.W.(kg)	Size (cm)
MPW151550BAF	432	800	2,160	5.50	52.0x32.0x14.0
MPW151570BAF	324	800	1,620	5.50	52.0x32.0x14.0
MPW202050BAF	432	1,350	2,160	8.20	52.0x32.0x14.0
MPW252550BAF	160	800	1,920	10.50	52.5x31.0x23.5
MPW303050BAF	160	1,150	1,920	14.50	52.5x31.0x23.5
MPW352250BAF	100	660	1,000	7.60	52.5x31.0x23.5
MPW352270BAF	60	500	600	6.00	52.5x31.0x23.5
MPW403550BAF	100	1,050	1,000	11.50	52.5x31.0x23.5
MPW404050BAF	100	1,200	1,000	12.50	52.5x31.0x23.5

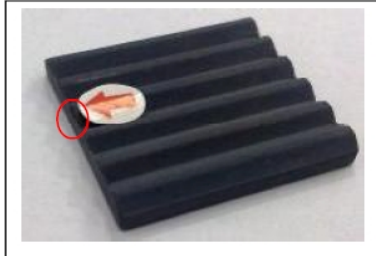
SPECIFICATION FOR APPROVAL

REF. :

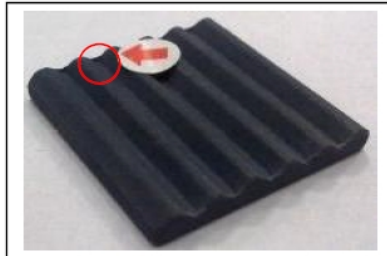
PROD.	Ceramic Heat Sink	ABC'S DWG NO.		MPW□□□□□□BAF-□□□		
NAME		REV.	20221212-C	PAGE	5	

V . Criteria of product inspection (Tary) :

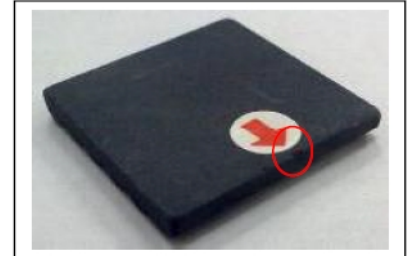
(1) Accepted Product



Appearance Description : Crack
Limitation : Less than 2 mm



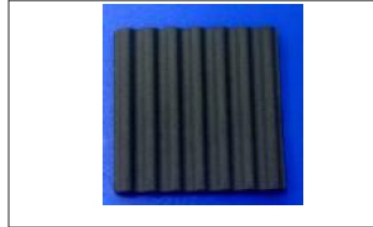
Appearance Description : Burr
Limitation : Less than 2 mm



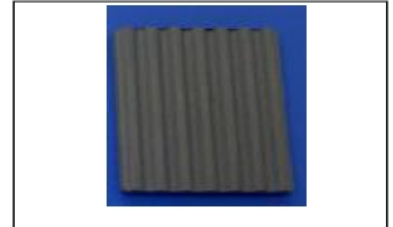
Appearance Description : Hole
Limitation : Less than 2 mm



Appearance Description : Deep Gray

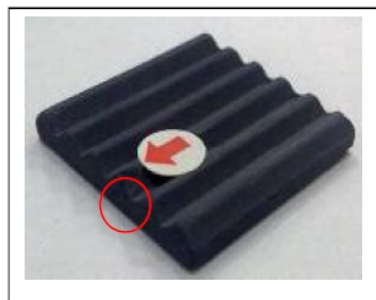


Appearance Description : Gray

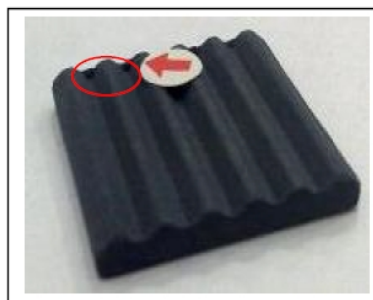


Appearance Description : Light Gray

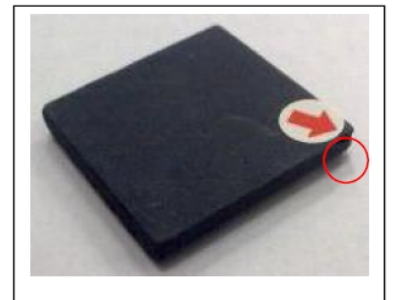
(2) Rejected Product



Appearance Description : Crack
Failure : More than 2 mm



Appearance Description : Burr
Failure : More than 2 mm



Appearance Description : Hole
Failure : more than 2 mm

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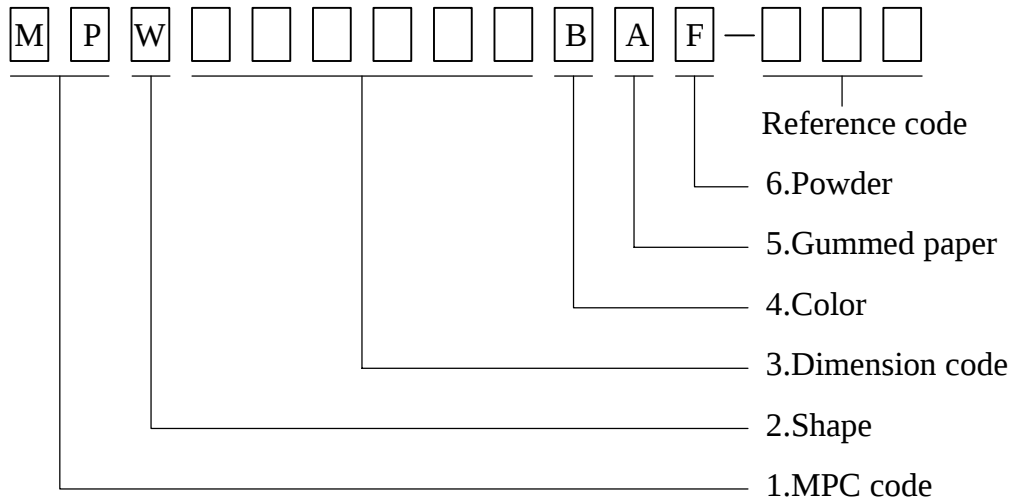
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SPECIFICATION FOR APPROVAL

REF. :

PROD. NAME	Ceramic Heat Sink	ABC'S DWG NO.	MPW□□□□□□BAF-□□□		
		REV.	20221212-C	PAGE	6

VI . Drawing number expression :



- * 1- MP : Heat sink
- * 2- S : flat 、 W : wave 、 F : fin 、 R : reel
- * 3- Long, wide, thick
- * 4- B : black 、 G : green
- * 5- A : no thermal tape 、 T : Thermal tape with fiberglass 、 N : Thermal tape with non fiberglass
C : circle and L type thermal tape 、 S : customer specified 、 2~9 : special case
- * 6- A : Outsourcing SiC product 、 F : SiC spray granulation 、 G : graphene composite