

CMC AISiC Heat Spreader

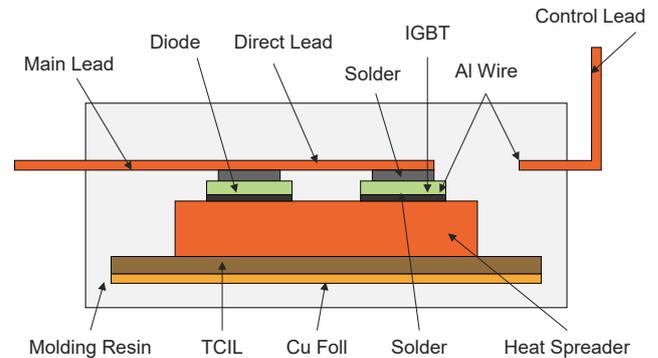
RoHS Compliant

General Description

Ceramic matrix compound to increase the thermal conductivity and the efficient heat dissipation at electronic components.

Features

- Excellent stability under heating process
- No warpage after thermal cycling and solderability testing
- Low thermal expansion coefficient and High thermal conductivity
- Lower weight than Copper
- Lower thickness than Copper, and lower to 1mm
- Pass vibration resistance tests
- Higher life time than copper after thermal cycling



Could be replaced copper (Cu) or molybdenum copper (Mo-Cu)

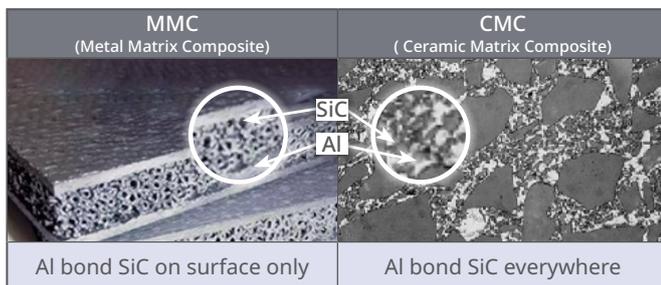
Specification

Properties	Unit	CMC AISiC
Thermal Conductivity	W/m·K	150~180 (Based on different thickness)
Standard Product Dimensions L × W × H	mm	187x137x4.8
		140x99.5x4.65
		107x62x3.25
		39.5x39.5x1.6
Coefficient of Thermal Expansion, CTE	PPM/K	7~10
Strength	MPa	>300
Plating	μm	Ni --- 3
Density	g/cm ³	2.6~3.0

※ Product dimensions can be customized.

※ All products undergo surface nickel plating in accordance with specifications prior to shipment.

CMC AISiC and MMC Comparison:



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