GCS-8k-200x200
Thermally Conductive Insulating Interface Material

Ceramic-filled thermally conductive silicone elastomer

Features

- Dielectric performance insulator pad
- Designed to replace ceramic insulators
- Resistant to tears and punctures
- Electrical insulation
- Thermal conductivity: 1.3 W/m K

Applications

- Power conversion equipment, power semiconductors - MOSFET, IGBT and RF
- Audio/video components
- Automotive control units, motor controllers

Part number	Total thickness
GCS-8k-200x200-0.15	0.15mm
GCS-8k-200x200-0.2	0.2mm

Characteristic	Test Method	Value
Colour	Visual	Amber
Thickness mm	ASTM D374	0.15 - 0.2
Kapton thickness	ASTM D374	0.025 - 0.05
Thermal conductivity W/m*K	ASTM D5470	1.3
Thermal impedence ^{o}C-in^{2}/W	ASTM D5470	0.21 - 0.28
Specific gravity, g/cm^{3}	ASTM D792	2.0
Dielectric strength, kV/mm	ASTM D149	>6kV
Dielectric constant (@1kHz)	ASTM D150	1.8
Operation temperature ^{o}C	-	-50 ~ +130
Volume resistivity (Ohm.cm)	ASTM D257	>10^{14}
Flammability	UL94	V-0

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