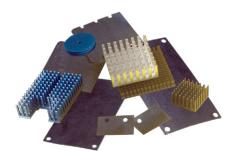


### Part Number: 9225249 Solid State Relay - Thermal Pad Product Data Sheet

#### PICTURE



## FEATURES

- $\bullet$  High thermal conductivity of 5 W/mK in Z axis and 240 W/mK in the X-Y axis
- >98% graphite
- Low thermal resistance
- Thicknesses of 0.005" (0.125mm)

#### **RoHS** Compliant

SPECIFICATIONS		
		TEST METHOD
Construction & Composition	Flexible Graphite	
Color	Pewter	Visual
Thickness	0.005" (0.125mm)	
Thickness Tolerance	± 0.001" (± 0.025mm)	
Density	2.20 g/cc	Helium Pycnometer
Hardness	85 Shore A	ASTM D2240
Tensile Strength	650 psi	ASTM D412
Outgassing TML	0.15%	ASTM E595
Outgassing CVCM	0.09%	ASTM E595
UL Flammability Rating	94 VO	
Temperature Range	-240°C to 300°C	
Thermal Conductivity - Z Axis	5 W/mk	ASTM D5470 (modified)
Thermal Conductivity - XY Axis	240 W/mk	ASTM D5470 (modified)
Thermal Resistance @ 100 psi	0.07 °C-in²/W	ASTM D5470 (modified)
Thermal Resistance @ 681 KPa	0.42 °C-cm²/W	ASTM D5470 (modified)
Volume Resistivity (In-Plane)	11 x 10⁻⁵ ohm-cm	ASTM D257

RS, Professionally Approved Products, gives you professional quality parts across all products categories. Our range has been testified by engineers as giving comparable quality to that of the leading brands without paying a premium price.

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