

GP500 Gap Pad

GP500 is a silicone, thermally conductive material for use at a thermal interface. GP500 is specifically developed as a low thermal resistance gap pad.

- Works well under low pressure
- Good thermal conductivity; 5.0 W/m.K
- Excellent electrical insulation
- High heat dissipation; low thermal resistance

Approvals

RoHS-2 Compliant (2015/863/EU):

Yes

Typical Properties

Colour:	White
Density @ 20°C (g/ml):	3.1
Thickness (mm)	0.5 – 1.0
Hardness (Shore C)	40
Tensile Strength (MPa):	0.15
Thermal Conductivity:	5.0 W/m.K
Temperature Range:	-50°C to +150°C
Thermal Resistance (°C.in ² /W):	0.70
Elongation (%):	60
Volume Resistivity (Ω.cm):	1.0 x 10 ¹⁰
Dielectric Strength (kV/mm):	7.0
Dielectric Constant @1MHz:	5.0
Dielectric Loss:	0.01
Compression Ratio (% @ 50psi):	25
Weight Loss (120°C, 7 days):	2.0%

Description

Order Code

Dimension of Gap Pad

<u>Gap Pad</u>	GP500S	200 x 200 x 0.5 mm
<u>Gap Pad</u>	GP500SL	200 x 200 x 1.0 mm

Revision 2: October 2017