

## 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

<b>Approvals</b>	<b>RoHS Compliant (2015/863/EU):</b>	<b>Yes</b>
<b>Typical Properties</b>	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 <sup>2</sup> /W):	0.70
	Elongation (%):	60
	Volume Resistivity (Ω·cm):	1.0 x 10 <sup>10</sup>
	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%

<u>Description</u>	<u>Order Code</u>	<u>Dimension of Gap Pad</u>	<u>Shelf Life</u>
<u>Gap Pad</u>	GP500S	200 x 200 x 0.5 mm	72 months
<u>Gap Pad</u>	GP500SL	200 x 200 x 1.0 mm	72 months

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All information is given in good faith but without warranty. Properties are given as a guide only and should not be taken as a specification.

Electrolube cannot be held responsible for the performance of its products within any application determined by the customer, who must satisfy themselves as to the suitability of the product.

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