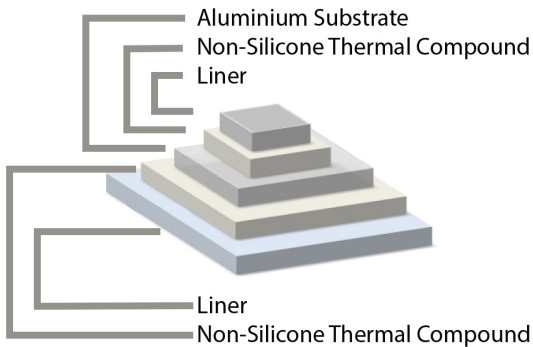




TGZNSG Hybrid Thermal Pad

Version 1.110518



Hybrid Thermal Pad

TGZNSG is a dry to touch thermal interface pad formulated with non-silicone thermal grease. It was developed to offer the low thermal resistance in a thermal interface without the mess of grease. TGZNSG consists of a 2-mil aluminium substrate that is coated on each side with specially formulated grease and natural to touch. It offers very high transfer to devices where gaps of 4 – 6 mil is required to be filled.

Features

- Natural tacky but dry to touch
- Minimal force (<15 psi) for interface contact
- TIM pad with all unique advantages of thermal grease
- Low thermal resistance
- Excellent for cold applications
- Allows for total wetting of microscopic voids
- Can be supplied in rolls or custom die-cuts

Applications

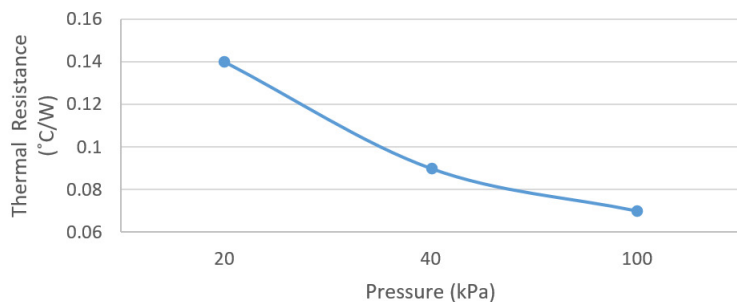
- Power modules
- IGBTs, DC-DC converter modules
- Solid state relays, Power MOSFETs and RF components
- Power amplifiers, ASICs and digital components
- Customised heat dissipating surfaces

Properties

- ✓ REACH Compliant
- ✓ ROHS Compliant

Property	TGZNSG	Unit	Test Method
Colour	Grey	-	Visual
Thickness (Available thickness range)	0.15	mm	ASTM D374
	0.06	inch	ASTM D374
Thermal Conductivity	3	W/mK	ASTM D5470
Thermal Resistance @ 70psi & 36°C	0.07	C-in ² /W	ASTM D5470
Operating Temperature	-20 to 200	°C	-
Shelf Life, 25°C	12	month	-

Thermal Resistance vs Pressure



* Data for design engineer guidance only. Observed performance varies in application. Engineers are reminded to test the material in application.

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