RoHS Compliant



Applications

- Interface for semiconductors requiring low pressure or spring clamp mounting.
- Consumer electronics
- Set-top boxes
- · IP routers
- · ECUs Memory and Power modules. CPU to Heat sink
- Transistors
- Diodes
- IGBTs
- Rectifiers
- LED. TEC modules
- Telecommunication hardware and as a gap filler for battery systems.

Features

- 1 W/m K thermal conductivity
- Phase transition temperature: 45°C
- Excellent reliability

Characteristic	Test Method	Value
Colour	Visual	White
Density (g/cm ³)	ASTM D792	1.7
Continuous Use Temperature (°C)	-	-40 to +150
Breakdown Voltage (KV/mm)	ASTM D149	≥6
Thickness of Bonding Layer (µm)	-	≤10
Thermal Conductivity (W/m·K)	ISO 22007-2	1.0
Thermal Impedance (@40psi) (°C·in²/W)	ASTM D5470	0.026
Thermal impedance(@40psi) (°C·cm²/W)	ASTM D5470	0.167
Dielectric Constant (@1MHz)	ASTM D150	4.21
Dielectric Loss (@1MHz)	ASTM D150	1.37 × 10 ³
Viscosity (Pa·s(23°C)	ASTM E3116 96# 50RPM	110
Shelf Life	-	24 months from shipment date

Part Number Table

Description	Part Number
Thermal Paste , Non Silicone PCM Gel, 1W/mK, Syringe, 30g	MPGCSS-010PCM-G-30g

Important Notice : This data sheet and its contents (the "Information") belong to the members of the AVNET group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for white any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp Pro is the registered trademark of Premier Farnell Limited 2019.

Newark.com/multicomp-pro Farnell.com/multicomp-pro sg.element14.com/b/multicomp-pro

