



ENGLISH

Datasheet

RS Pro Non-Silicone Thermal Grease

GCS-020-GNS is a non-silicone thermal grease.

Features:

- NO low MW siloxane E
- Low contact resistance
- (BLT) BLT = 50um/30um/70um
- Can be dispensed or screen and stencil machine printed
- Exceptionally low thermal resistance
- No pump out of reliability issues
- Ease of application and re-work
- Ultra thin bondline

Configurations:

RS Stock Number	Part Number	Weight
915-6105	GCS-020-GNS-30g	30g
915-6109	GCS-020-GNS-1kg	1kg



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Characteristics	Test Method	Value
Filler	Visual	Non-Metal
Viscosity	Pass	120
Density g/cm ³	ASTM D792	2.1
Colour	-	White
Low MW Siloxane ppm	D4-10	0
Outgassing (TML) %/Wt	ASTM E595	0.5
Outgassing (CVCM) %/Wt	ASTM E595	0.1
Thermal Conductivity Wm/K	ASTM D5470	2.0
Thermal Impedance °C-mm ² /W	ASTM D5470	0.04
Bond Line Thickness mm	-	0.005
Dielectric Strength kV/mm	ASTM D149	13
Volume Resistivity Ohm-cm	ASTM D257	10 ¹⁴
Operating Temperature Range °C	-	-50 – 150



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Applications

Displays, lighting protection

PDP TV, LCD CCFL and LCD LED display backlight, LED signage, projectors and new display technology.

Consumer and industrial electronics

Mobile telephone, communication base station, laptop, notebook, computer servers, handheld gaming devices, memory modules, CPU modules, amplifiers, batteries, and DC to DC convertors power supplies.

Automotive electronics

Engine management, electronic suspension, braking systems, communication and multimedia systems, comfort convenience features, vehicle lighting, vehicle controls, hybrid vehicle battery thermal management, electric vehicle thermal management.

Building the part number

Examples: GCS – 020 – GNS 150150 – 0.5 – XX
 1 2 3 4 5 6

1. GCS Series
2. Thermal Conductivity
3. Grease Non-Silicone
4. Dimensions (mm)
5. Thickness (mm)
6. Custom