
GCS-040-GNS

Non-silicone grease

GCS-040-GNS is a high performance thermal interface non-silicone 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 rework
 - Ultra thin bondline
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Configurations

Part number	Weight
GCS-040-GNS-30g	30g
GCS-040-GNS-1kg	1kg

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.



Global Component Sourcing

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Characteristics

Characteristic	Value
Filler	Metal-filled
Viscosity	336
Density g/cm ³	2.6
Colour	Grey
Low MX Siloxane ppm	0
Outgassing (TML) %/Wt	0.2
Outgassing (CVCM) %/Wt	0.1
Thermal conductivity Wm/K	4.0
Thermal impedance °C-mm ² /W	8.3
	0.012
Bond line Thickness	0.003
Dielectric strength	80
Volume resistivity	10 ¹¹
Operating temperature range °C	-50 - 150

Building the part number

Example: GCS - 040 - NS 150150 - 0.5 - XX
 1 2 3 4 5 6

1. GCS series
2. Thermal conductivity
3. Silicone or non-silicone
4. Dimensions (mm)
5. Thickness (mm)
6. Custom



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