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# GCS-020-GNS

## Non-silicone grease

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GCS-020-GNS is a high performance thermal interface non-silicone grease.

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### 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-020-GNS-30g	30g
GCS-020-GNS-1kg	1kg

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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.



**Global Component Sourcing**

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# GCS-020-GNS

## Non-silicone grease

### Characteristics

Characteristic	Value
Filler	Non-metal
Viscosity	120
Density g/cm <sup>3</sup>	2.1
Colour	White
Low MX Siloxane ppm	0
Outgassing (TML) %/Wt	0.5
Outgassing (CVCM) %/Wt	0.1
Thermal conductivity Wm/K	2.0
Thermal impedance °C-mm <sup>2</sup> /W	24
	0.04
Bond line Thickness	0.005
Dielectric strength	350
Volume resistivity	10 <sup>14</sup>
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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