GCS-040-GNS
Non-silicone Grease

GCS-040-GNS is a high performance thermal interface non-silicone grease.

Features

- NO Low MW siloxane E, Siloxane Volatiles D4~D20 0%
- Low contact resistance
- Bondline thickness of 30µm
- Can be dispensed or screen and stencil machine printed
- Exceptionally low thermal resistance
- No pump out of reliability issues
- Ease of application and rework

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 converter power supplies.

Automotive electronics

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

Global Component Sourcing

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Characteristics

Characteristic	Test Method	Value
Filler	-	Metal-filled
Viscosity	Pass	336
Density g/cm3	ASTM D792	2.6
Colour	-	Grey
Low MX Siloxane ppm	D4-D20	0
Outgassing (TML) %/Wt	ASTM E595	0.2
Outgassing (CVCM) %/Wt	ASTM E595	0.1
Thermal conductivity Wm/K	ASTM D5470	4.0
Thermal Impedance, $^\circ$C-mm^2/W	ASTM D5470	0.012
Bond line Thickness, mm	-	0.003
Dielectric strength, kV/mm	ASTM D149	NA
Volume resistivity, Ohm-cm	ASTM D257	>10^8
Operating temperature range $^\circ$C	-	-50 - +150

Building the part number

Example: GCS - 040 - GNS 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