



# GCS-018-GS-WE THERMAL SILICONE GREASE

**GCS-018-GS-WE** is a silicone thermal grease

## Features

- 1.8 W/m K thermal conductivity
- No pump out or stability issues
- Easy to apply and rework
- Dispensable



## Configurations

PART NUMBER	WEIGHT
GCS-018-GS-WE-40g	40g syringe
GCS-018-GS-WE-1kg	1kg pot

## Properties

CHARACTERISTIC	TEST METHOD	VALUE
Colour	Visual	White
Thermal Impedance °C-mm <sup>2</sup> /W	ASTM D5470	0.045
Thermal conductivity W/m K	ASTM D5470	1.8
Density, g/cm <sup>3</sup>	ASTM D792	2.4
Dielectric strength, kV/mm	ASTM D149	10
Volume resistivity (Ohm-cm)	ASTM D257	10 <sup>12</sup>
Operation temperature (°C)	-	-40 to +200

## 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 convenience features, vehicle lighting, vehicle controls, hybrid vehicle battery thermal management, electric vehicle thermal management.



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