



## GCS-027-SM5 THERMAL SILICONE GREASE

**GCS-027-SM5** is a silicone thermal grease

### Features

- 2.7 W/m K thermal conductivity
- Easy to use
- High stability
- No dry out

### Configurations



| PART NUMBER     | WEIGHT      |
|-----------------|-------------|
| GCS-027-SM5-20g | 20g syringe |
| GCS-027-SM5-30g | 30g syringe |
| GCS-027-SM5-1kg | 1kg pot     |
|                 |             |

### Properties

| CHARACTERISTIC             | TEST METHOD | VALUE       |
|----------------------------|-------------|-------------|
| Colour                     | Visual      | White       |
| Thermal Impedance °C-in2/W | ASTM D5470  | <0.23       |
| Thermal conductivity W/m K | ASTM D5470  | 2.7         |
| Specific gravity. g/cm3    | ASTM D1475  | 2           |
| Dielectric constant        | ASTM D150   | >5          |
| Evaporation %              | -           | 0.001       |
| Operation temperature (°C) | -           | -20 to +230 |
| Flame rating               | UL94        | V-0         |
| Viscosity (cps)            | -           | 80,000      |

### 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, electronics 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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