

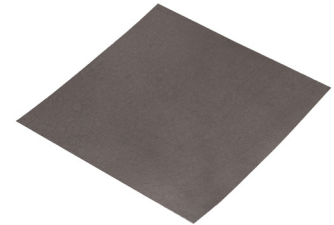
# GCSP-017-G

## Graphite Interface Material

GCSP-017-G is a high performance thermal interface graphite pad. This thin graphite pad allows for easy attachment of heat sinks or other thermal components in a limited space.

### Features

- 15W/m K thermal conductivity
- 1700W/mK planar thermal conductivity
- Long term stability
- Adaptable to surface
- Voltage resistance option of up to 6kV



### Configurations

Part number	RS part number	Total thickness +/- 0.005	Configuration details	Heat resistance (°C)	Voltage resistance
GCSP-017-G	8820215	0.017mm	No adhesive	400	0
GCSP-017-G-A10	8820219	0.027mm	One side adhesive	100	2kV
GCSP-017-G-P10-A10	8820228	0.037mm	One side adhesive, one side ultra-thin PET tape	100	6kV

### Material Properties

Characteristic	Value
Sheet size mm	150 x 300
Colour	Grey
Carbon content	99.90
Thermal conductivity W/mK	15
Thermal conductivity planar W/mK	1700
Density g/cm <sup>3</sup>	2.1
Tensile strength PSI	650
Operation temperature range °C	-40 to +400
Hardness (Shore A)	85
Flammability rating	UL94

### Applications

Embedded electronics, handheld electronics, lighting and LED systems and semiconductor manufacturing equipment.

### Instructions

Position the pad and press into place on the heat sink or other thermal component.

The pads can be pre-die cut and drilled for ease of application.



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