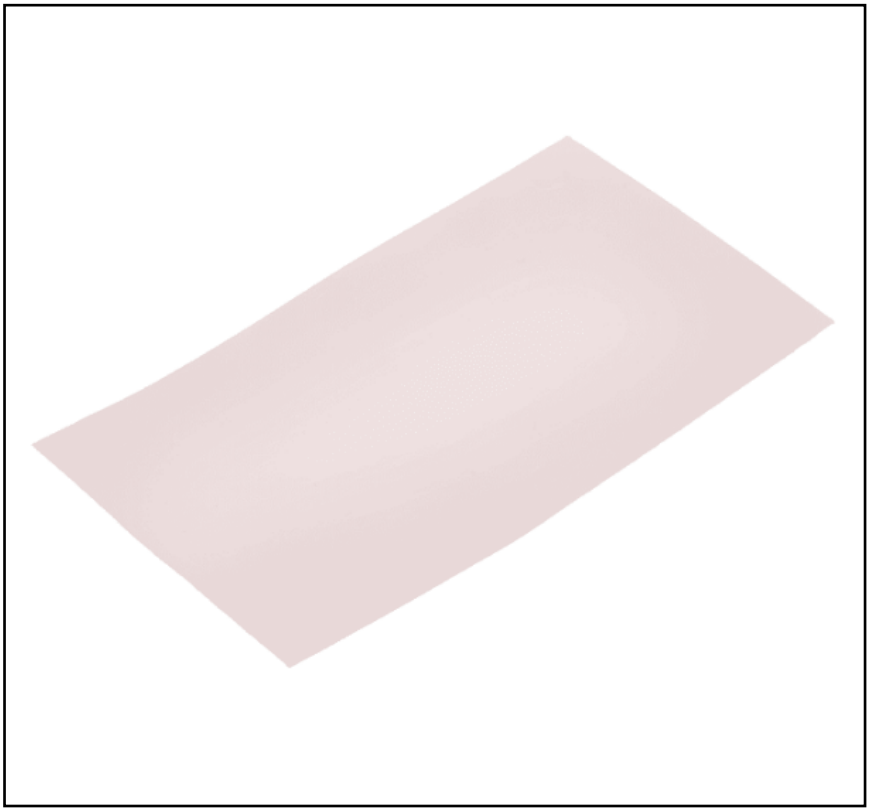
FEATURES

- Material Sheets
  - Naturally tacky
  - Customisable
  - Good thermal conductivity
- Resistor pads
  - Low thermal resistance
  - Naturally tacky
  - Long-term reliability
  - Good thermal conductivity
- Paste
  - Enhanced performance
  - Can be stencilled, dispensed, screen printed and manually applied
  - Compound dries when applied
  - Reworkable around PCM temperature

Thermal Interface Pad, 2.5W/m·K, 128 x 72.5mm 0.127mm

RS Stock No.: 909-2061



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

RS PRO phase change materials are ideal for thermal management applications. Available in this range are phase change interface materials in sheets, resistor pads and as a dispensable paste

Options include:

Thermal Interface Pad, 2.5W/m·K, 0.127 mm:
909-2033 - 16 x 16.5 mm
909-2042 - 14.3 x 21 mm
909-2045 - 27 x 28 mm
909-2049 - 49 x 21 mm
909-2051 - 65 x 47.5 mm
909-2055 - 98 x 47.5 mm
909-2064 - 90 x 72.5 mm
909-2061 - 128 x 72.5 mm

Thermal Interface Sheet:
909-2070 - 2.5W/m·K, 150 x 150 mm, 0.06 mm
909-2073 - 2.5W/m·K, 150 x 150 mm, 0.13 mm
909-2077 - 2.5W/m·K, 150 x 150 mm, 0.2 mm
909-2086 - 2.5W/m·K, 150 x 150 mm, 0.25 mm
909-2089 - 4W/m·K, 150 x 150 mm, 0.06 mm, Self-Adhesive
909-2083 - 4W/m·K, 150 x 150 mm, 0.12 mm, Self-Adhesive

Thermal Paste:
909-2092 - 3.4W/m·K, 100g tube

General Specifications

Material	Graphite
Self-Adhesive	No
Colour	Grey
Applications	Electronics components; Flat panel displays; LED (light emitting diode) displays; Engine control units; Computer hard drives; Wireless communication hardware
Flame Rating	V0 UL94
Shelf Life	24months

Electrical Specifications

Dielectric Strength	12kV/mm
Dielectric Constant at 1kHz	5
Volume Resistivity	10^{10}ohm.cm
Insulation Strength	12kV/mm

Mechanical Specifications

Dimensions	128x72.5mm
Thickness	0.127mm
Length	128mm
Width	72.5mm
Diameter	75mm
Thermal Conductivity	2.5W/(m.K)
Hardness	Shore A 80
Thermal Impedance	0.035°C-in^2/W
Specific Gravity	3.4g/cm^3
Weight Loss	<1%
Elongation	50%
Tensile Strength	15Kgf/cm^2
Density	1.2g/cm^3
Deflection At 10 psi	3%
Young's Modulus	24N/cm^2
Compression Ratio at 1mm, 40psi	40%
Thermal Resistance	0.8W/m.K
Coefficient Of Thermal Expansion	250ppm/K
Dissipation Factor At 1000kHz	0.013

Operation Environment Specifications

Minimum Operating Temperature	-45°C
Maximum Operating Temperature	125°C

Approvals

Compliance/Certifications	CE / UR / cUR