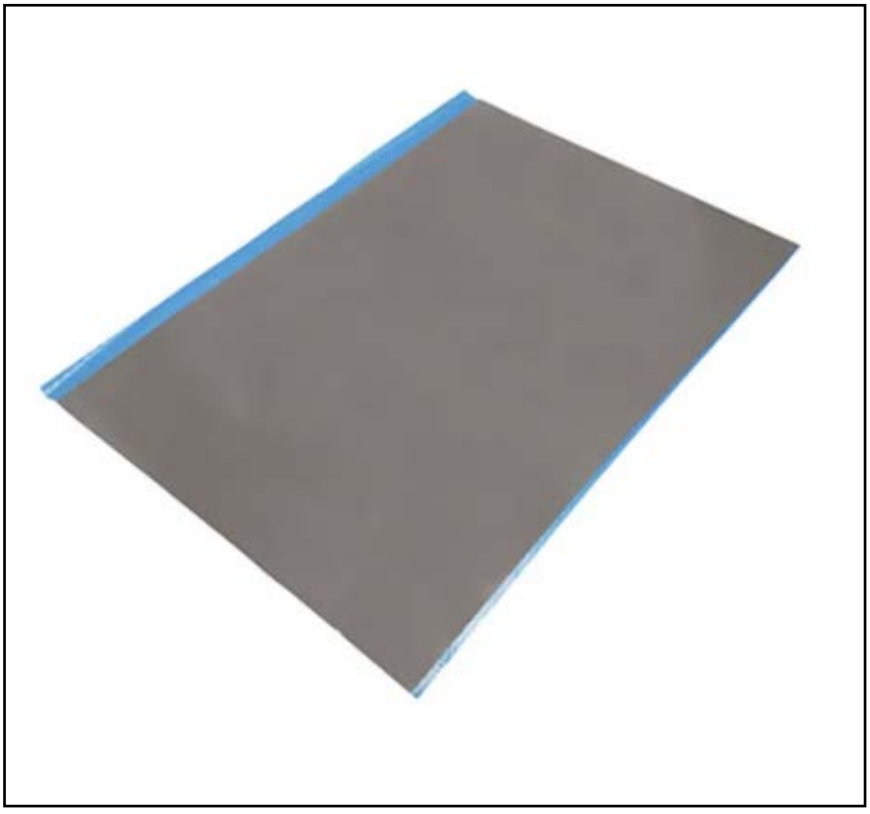
FEATURES

- Good thermal conductivity
- Single side adhesive
- Long term stability
- Electrical insulation
- 3 mm thick

Thermal Gap Pad, Silicone, 2W/m·K, 300 x 200mm 3mm, Self-Adhesive

RS Stock No.: 174-5695



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 high performance silicone thermal pad with heat conductivity of 2.0 W/mk which are ideal for various applications including battery packs, power supplies, power cable connectors, automotive ECU (electronic control units), microprocessors, displays and consumer electronics

General Specifications

Material	Silicone
Self-Adhesive	Yes
Colour	Grey
Applications	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	6kV/mm
Dielectric Constant at 1kHz	5
Volume Resistivity	10^{12}ohm.cm
Insulation Strength	>7kV/mm

Mechanical Specifications

Dimensions	300x200mm
Thickness	3mm
Length	300mm
Width	200mm
Diameter	75mm
Thermal Conductivity	2W/(m.K)
Hardness	50 (Shore OO)
Thermal Impedance	<0.28°C-in^2/W
Specific Gravity	2.75g/cm^3
Weight Loss	<1%
Elongation	300%
Tensile Strength	12Kgf/cm^2
Density	3.3g/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	-60°C
Maximum Operating Temperature	200°C

Approvals

Compliance/Certifications	CE / UR / cUR

Part Number	Size (mm)	Total thickness (mm)
174-5691	300 x 200	0.5
174-5692	300 x 200	1
174-5693	300 x 200	1.5
174-5694	300 x 200	2
174-5695	300 x 200	3