

Description

The product is a medium thermal performance insulator pad consisting of a ceramic filled high temperature silicone rubber coated on electrical grade fiberglass.

The product is designed for applications that require additional thickness to prevent electrical shorts from stamped aluminium heatsinks used in switching mode power supplies (SMPS) and debris from aluminium castings used in automotive motor controls.

Used in applications that require an interface of 2.5°C/watt or higher on a TO-220 mounted at 50 psi pressure.

Specifications

Thickness	0.009 inches (0.23mm)
Hardness	85 Shore A
Test Method - Hardness	ASTM D2240
Tensile Strength	1.3k psi / 9.0 MPa
Test Method - Tensile Strength	ASTM D412
Elongation at 45° to Warp/Fill	0.2%
Elongation along Width or Length	5%
Test Method - Elongation	ASTM D412
Mechanical RTI Temperature Rating	150°C (302°F)
Test Method - Mechanical RTI Temperature Rating	UL 746D
Colour	Dark Pink
UL Flammability Rating	UL 94 V0
Dielectric with Stand Voltage	4,500V AC
Test Method - Dielectric with Stand Voltage	ASTM D149
Dielectric Breakdown Voltage	>6,000V AC
Test Method - Dielectric Breakdown Voltage	ASTM D149
Thermal Conductivity	1.6 w/mk
Volume Resistivity	>10 ohm-cm
Test Method - Volume Resistivity	ASTM D257
Dielectric Constant at 1MHz	3.3
Test Method - Dielectric Constant	ASTM D257
Electrical RTI Temperature Rating	150°C (302°F)
Test Method - Electrical RTI Temperature Rating	UL 746D
Roll Size	18" x 164' (457mm x 50m)
Pressure Sensitive Adhesive	Single side adhesive
Shelf Life	10 years

Thermal resistance of 0.45°C-in²/watt at 50 psi

Thermal resistance of 0.35°C-in²/watt at 400 psi

Kit Content:

The product comes in a kit containing 10x Insulating Pads and 10x Insulating Bushes.

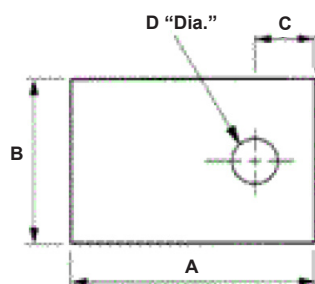
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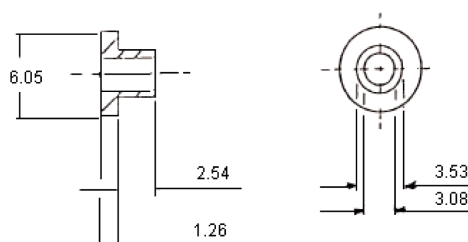
Diagram

Transistor Insulating Pad
Diagram



A	B	C	D "Dia."
19	13	4.7	3.5

Transistor Insulating Bush
Diagram



Part Number Table

Description	Part Number
Thermal Insulator Kit	MK3306/TG

Dimensions : Millimetres
Tolerances: $\pm 0.15\text{mm}$

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