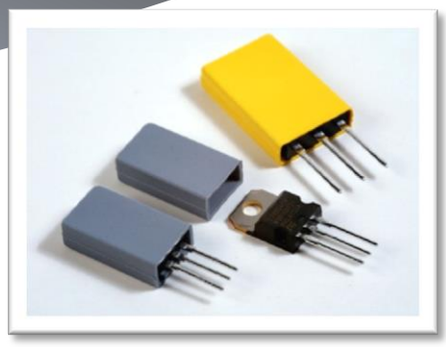
T-Cap 1500

Thermally Conductive Cap



T-Cap 1500 is an electrically isolating, thermally conductive interface product which provides a complete sheath around the electronic device.

T-Cap 1500 is highly suitable for use in applications that use TO220 and TO247 devices. The device is entirely encapsulated by the **T-Cap 1500** and is mounted via a spring clip or clamp for fast and easy assembly. The spring or clamp can be metallic as **T-Cap 1500** provides guaranteed electrical isolation.

Features

- Provides all round electrical isolation
- Thermal conductivity of 1.5W/mK
- Maintains thermal performance in temperatures in excess of 180°C

Benefits

- Excellent thermal interface material for heat generating, electronic devices
- Combination of thermal fillers and silicon provides good temperature stability
- Cold flow action of the material reduces thermal resistance to an absolute minimum

Availability

- Available in standard thicknesses of 0.5mm, others are available on request
- Sizes are suited to TO-220 and TO-247/TO39 electronic devices

Recommended Uses

- Thermally coupling TO220, TO247 and similar electronic devices
- Within PSUs that use metal clips, springs and clamps in connection with an extruded heat sink

Typical Physical Properties

Property	Test Method	T-Cap 1500
Colour	Visual	Grey
Thermal Conductivity (W/mK)	ASTM D5470	1.5
Thickness (mm)	Visual	0.5
Thermal Impedance (Kcm^2/W)	ASTM D5470	3.80
Operating Temp (°C)	-	-40 to +180

Electrical and Mechanical Properties

Property	Test Method	T-Cap 1500
Breakdown Voltage (kV)	ASTM D149	>10
Dielectric Constant	ASTM D150	4.61
Flame Rating	UL94	V-0
Tensile Strength (kg/cm^2)	ASTM D412	16.5 ± 3
Elongation (%)	ASTM D412	140

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