

TIP5000

THERMAL INSULATOR PAD WITH HIGH THERMAL CONDUCTIVITY

Solstice's TIP5000 thermal insulator is designed to provide low thermal impedance and high isolation for high power and high voltage applications. Integrated fiberglass reinforcement protects the pad from tears, cut-throughs and punctures. It is designed to have smooth and conformal surface which provide excellent mating under low pressure mounting. Offered in thicknesses ranging from 0.25 mm to 0.50mm.

STORAGE & USE: Shelf life 12 months at 23±2°C

Typical Applications:

- Automotive electronics
- Power conversion equipment
- Power supply equipment
- Motor controllers
- Speaker amplifier
- Power switch

PROPERTY	TIP5000	TEST METHOD
Color	White	Visual
Thickness (mm)	0.25~0.50	ASTM D374
Specific Gravity	2.5	ASTM D792
Hardness (ShoreA)	90	ASTM D2240
Thermal Conductivity (W/m·K)	5.0	Hot Disk
Thermal Impedance (°C·in ² /W)	0.18	ASTM D5470 (@10psi)
	0.15	ASTM D5470 (@50psi)
Breakdown Voltage (Vac)	>4,500	ASTM D149
Dielectric Constant@1MHz	3.5	ASTM D150
Volume Resistivity (Ohm·cm)	5x 10 ¹³	ASTM D257

FEATURES & BENEFITS

- High thermal performance
- High breakdown voltage
- Good resistant to tears, cut-throughs and punctures
- Single side PSA available for easy assembly



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