

Description

LISAT LST-TIP-320 has a stable thermal conductivity and is made from Silica Gel Film. It has a heat transfer coefficient of 2.0W/m-K. A soft silicone heat conducting material that has a stable insulation performance characteristics of soft and elastic. A good contact between the heating device and the heat radiating member, it effectively improve the heat transfer speed. Commonly used in between semiconductor and radiating fin, consumer product and LCD Display of household appliances.



Features and Benefits

- Thermal Conductivity of 2.0 W/m-k
- Silicone Free Formulation
- Low Hardness
- Low Thermal Resistance
- Excellent Performance Of Heat Dissipation
- Wide Thickness Range

Typical Applications

- @ Between Semiconductor & Radiating Fin
- @ Communication Product
- @ Large Power Supply
- @ LED Lighting & LED Equipment
- @ LCD Display of Household Appliances
- @ Consumer Electronics
- @ Multimedia Products

Properties

Note : Below technical data and information should be thought as typical or representative only and should not be use for specification purpose

TYPICAL PROPERTIES OF THERMAL INSULATOR LST-TIP-320		
PROPERTY	METRIC VALUE	REFERENT STANDARD
Color	Light Blue	Visual
Hardness (Shore 00)	15 ~ 70	ASTMD2240
Density (g/cc)	2.92	ASTM D792
Thickness (mm)	0.50 ~ 5.00	N/A
Tensile Strength (Mpa)	0.15	ASTM D412
Elongation (c/o)	105	ASTM D412
Weight Loss (c/o)	≤ 0.6	@150°C/7d
ELECTRICAL		
Dielectric Breakdown Voltage (KV/mm)	≥ 6	ASTM D149
Volume Resistivity (Ω-cm)	1.1x10 ¹¹	ASTM D257
Flame Rating	V-O	UL94
THERMAL		
Thermal Conductivity (W/m-K)	2.0	ASTM D5470
Thermal Resistance (m ² K/W)	0.0088	ASTM D5470

Part-Number Ordering System : LST-TIP-320-x.xx-☐

Blank = Non Adhesive
AC = Adhesive Coated

Standard Thickness =
0.50 / 1.00 / 1.50 / 2.00 /
2.50 / 3.00 / 3.50 / 4.00 /
4.50 / 5.00 mm

LISAT

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