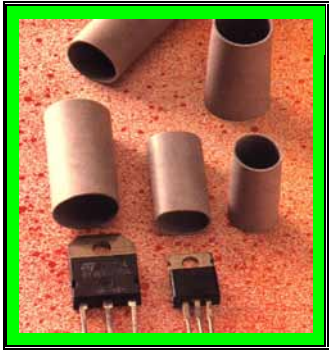
Infratron Kool Pad Thermaflex tubes

Ther-T	Material	Thermal Impedance °C/W (Area:TO3)	Breakdown Voltage (V) 50Hz RMS	UL-Rating
Property	Silicone extrusion	0.92	7000	94V0
Test Method	-	ASTM D5470	ASTM D149	UL Test

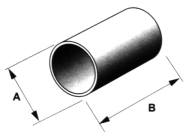


Description

THERMAFLEX TUBES has been developed to meet the stringent VDE specification for insulation and is based on THER-05 material performance.

Clip mounted plastic power packages will meet much higher flash testing requirements than screw mounted devices but by using clip mount Thermaflex tubes an even higher level of electrical isolation is achieved while still maintaining a good thermal performance. The semiconductor is simply inserted into the Thermaflex Tube, which provides an all-round shroud. The tubes flexible wall accommodates most standard packages and retains the device ready for assembly.

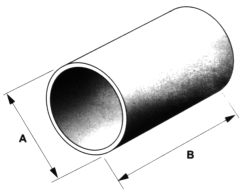
Ordering information



Small (T0-220)

Ther-T-Small

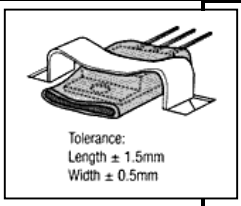
A=11mm B=25mm



Large (TO-218, TO-247, TO-264)

Ther-T-Large

A=14mm B=30mm



Key performance Properties

- Low thermal resistance with high voltage isolation.
- Fills air gaps between components up to 15% of the pads thickness
- Complete encapsulation of component
- Remains resistant to cleaning agents, and does not support organic growth
- No known deterioration over time.
- Used in conjunction with Infratron spring-clips

Technical Information	Property	Test Standard
Part prefix code	Ther-T	
Thickness (mm)	0.5 (Wall)	
Thermal Conductivity $Wm^{-1}K^{-1}$	0.70	MIL-I-49456A
Thermal resistance	0.92°C/W	
Hardness	65 ±5	Shore Micro
Tear Resistance kN/m	6.5	ASTM D624
Tensile Strength MPa	1.6	ASTM D412
Dielectric Constant 1000Hz	4.9	ASTM D150
Elongation %	85	ASTM D412
Colour	Grey	
Temperature range	-60°C to 180°C	
Datasheet Issue	04	

For further information on this or any other thermal material call our help line on ++49-(0)89-15 81 26-0 and visit our website at www.Infratron.de

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