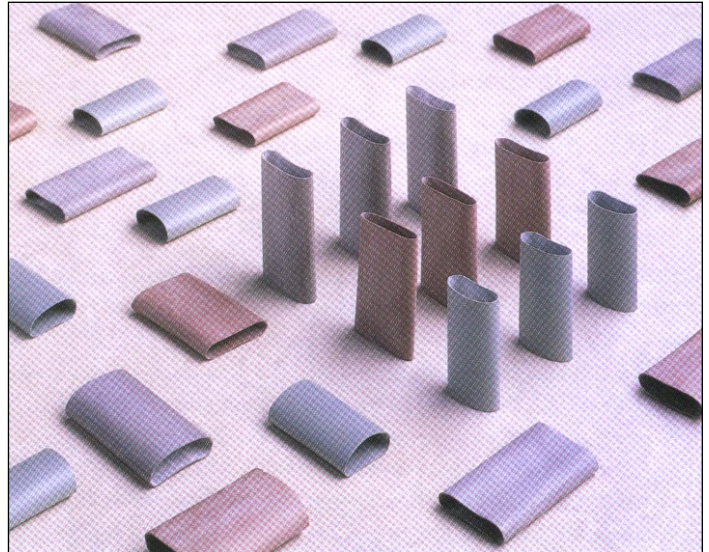


SPT 400 and SPT 1000

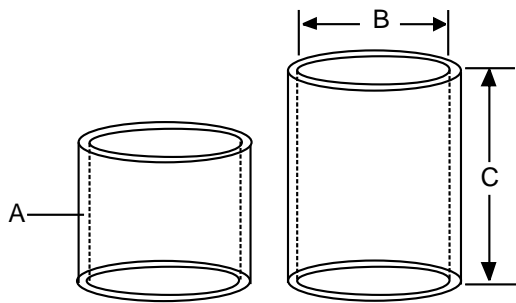
SPT 400 and SPT 1000 (“Sil-Pad Tubes”) provide thermally conductive insulation for clip mounted plastic power packages. Sil-Pad Tubes are made of silicone rubber with high thermal conductivity. Sil-Pad Tube 1000 is best suited for higher thermal performance and Sil-Pad Tube 400 is ideal for applications requiring average thermal performance and economy.

Sil-Pad Tube standard configurations are available for TO-220, TO-218, TO-247 and TO-3P plastic power packages. Special thicknesses and diameters can also be ordered. SPT 400 and SPT 1000 are designed to meet VDE, UL and TUV agency requirements. Typical properties of Sil-Pad Tube are shown in the table below.



	SPT 400	SPT 1000	Test Method
Color	Gray/Green	Brown	Visual
Thermal Resistance C-in ² /Watt	0.6	0.4	ASTM D5470
Thermal Conductivity, W/m-k	0.9	1.2	ASTM D5470
Breakdown Voltage, minimum	5000	5000	ASTM D149
Dielectric Constant, 1000 (Hz)	5.5	4.5	ASTM D150
Continuous Use Temp. °C	-60 to + 180	-60 to + 200	—
Hardness, Shore A	80	80	ASTM D2240
Thickness/Wall (Inches) (mm)	.012 (.30)	.012 (.30)	ASTM D374
Breaking Strength lbs./in. (kN/m)	6 (1)	6 (1)	ASTM D1458
Volume Resistivity, Ohm Meter	1.0 x 10 ¹¹	1.0 x 10 ¹¹	ASTM D257

Standard Dimensions



- A = Wall Thickness: .30 mm (.012") + .10 mm/-0.0 mm (+.004"/-0.0")
- B = Inner Diameter: 11 mm (.433") and 13.5 mm (.532") ±1.0 mm (±.039")
- C = Length: 25 mm (.985") and 30 mm (1.18") +3.18 mm/-0.0 mm (+.125"/-0.0")

Special lengths are available. For more information contact the factory.

Ordering Procedure:

Sample: SPT400 "A" -"B" -"C"