

## Thermalsil™ III

### Thermally Conductive Silicone Rubber Insulators

The newest Thermalsil™ III formula has improved thermal conductivity, providing excellent thermal resistance. It is used as an electrically-isolating interface material composed of silicone elastomer binder with a thermally conductive filler. It is reinforced with glass cloth to resist tearing and cut-through due to burrs on transistors or heat sinks.

Thermalsil™ III eliminates the need for grease application and conforms to mounting surfaces under clamping pressure for optimum heat conduction.

Thermalsil™ III is .152mm (.006") thick and grey green in color. A finely woven glass cloth provides the thinnest possible matrix for enhanced thermal resistance.

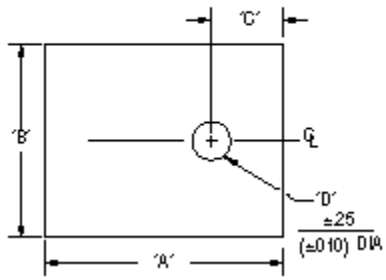
To order Thermalsil™ III with adhesive coated backing, add suffix "AC" to the part number. For example, 53-03-2AC.

Thermalsil™ III is available in any configuration with adhesive backing. Order by adding "AC" after the part number. For example: 53-03-2AC.

### Thermalsil™ III

Property	Typical Value 25°C	Test Method
<b>Electrical</b>		
Dielectric Constant	2.5@50 Hz 2.5@10 <sup>3</sup> Hz 2.5@10 <sup>6</sup> Hz	ASTM D150
Dielectric Breakdown Voltage	26.3 x 10 <sup>3</sup> volts/mm (667 volts/mil) ASTM D-149	ASTM D149
Volume Resistivity	5.7 x 10 <sup>15</sup> ohm-cm	ASTM D257
Dielectric Dissipation Factor	.008@50 Hz .004 @10 <sup>3</sup> Hz .004 @10 <sup>6</sup> Hz	ASTM D150
<b>Physical</b>		
Thickness	.15 + .03/- .05mm (.006 + .001/- .002 in.)	
Color	Gray-Green	
Tensile Strength	6.1 x 10 <sup>7</sup> Pa (8786 psil)	
Hardness, Shore A	87	
Elongation	2% or less	
<b>Thermal</b>		
Thermal Conductivity	0.92 w/m °C	
Flame Resistance	UL 94V-0	UL card #E-58126 (S)
Service Temperature	-60°C to 180°C (-76°F to 356°F)	

# T0-220



Part Number	A	B	C	D
53-77-3	17.50 (.687)	41.27 (.562)	4.70 (.185)	2.36 (.093)

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Thermal Interface Products](#) category:*

*Click to view products by [Aavid](#) manufacturer:*

Other Similar products are found below :

[7721-9PPS](#) [FGN80-2](#) [PFM-172-60](#) [A-40](#) [174-9-230P](#) [9601-7](#) [5300AC](#) [1.500G](#) [08133](#) [V6622C](#) [TVQF-1225-07S](#) [TP0001](#) [4860](#) [SC80-W2](#)  
[V6516C](#) [A17713-06](#) [A17713-05](#) [A17690-06](#) [A17775-03](#) [A17690-05](#) [A17653-02](#) [A17690-04](#) [A17775-05](#) [A17775-06](#) [A17690-08](#) [A17689-](#)  
[06](#) [A17653-06](#) [A17690-12](#) [A17653-03](#) [A17752-04](#) [A17752-07](#) [A17634-12](#) [19-36565-0001-1](#) [A17752-09](#) [22000-001A](#) [A17752-20](#) [A17752-](#)  
[12](#) [A17653-04](#) [A17634-10](#) [A17634-07](#) [A17156-02](#) [TA-1.75](#) [30195](#) [V6516A](#) [SPT400-12-13.5-25](#) [189651F00000G](#) [A17883-07](#) [A17883-08](#)  
[A17883-14](#) [A17883-15](#) [A17883-16](#)