



Thermalfilm™: 43-77-20G

Thermalfilm™ is a low cost polyimide plastic insulating films designed to be an improved replacement for mica. This insulator has a distinctive amber color and can be easily recognized and assembled on a production line. Thermalfilm™ has an extremely high resistance to flow or thin out under high compressive stresses, particularly at elevated temperatures. It has excellent physical, mechanical and electrical properties which remain nearly constant over a wide range of temperatures and frequencies. Thermalfilm™ is radiation resistant, has no melting points, and has no known organic solvents and can survive well in harsh environments. 43-77-20G is an electric insulator for TO-220, TO-218, or TO-3P devices that is 23.2 mm long x 18.8 mm wide x 0.05 mm thick.

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Select Product Variation

43-77-20G

Price per piece

\$0.39

Quantity

- 1 +

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Product Overview

43-77-20G

Length: 23.2 mm (0.91 in.)
 Width: 18.8 mm (0.74 in.)
 Thickness: 0.05 mm (0.002 in.)
 Diameter of Through Hole: 3.7 mm (.14 in.)
 Distance of Hole Center from End: 7.0 mm (.28 in.)
 Device: TO-220, TO-218, TO-3P
 Material: Polyimide Plastic
 Thermal Conductivity: 0.156 W/mK
 Dielectric Strength: 275.6 x 10³ V/mm
 RoHS: Compliant

Notes:
 ?Insulator thickness is .05mm +/- 0.006mm (0.002" +/- 0.00025") unless otherwise specified.
 ?Dimensional tolerances are +/- 0.38mm(0.015"), hole diameters are +/- 0.25mm (0.010") and angularity is +/- 1 1/2° unless otherwise specified.

The polyimide plastic film is UL listed as a component in UL's publication "Component - Plastic Material" dated September 18, 1969. The UL card number is E39505R, Guide QMF22 filed by E.I. du Pont de Nemours & Co., Inc. Thermalfilm is rated 94 V-0.

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