

2" x 2", ITO Coated EMI Shielded Plastic Window



Stock #83-744 CLEARANCE **20+ In Stock**

⊖ 1 ⊕ £33⁰⁰

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Volume Pricing	
Qty 1-5	£33.20 each
Qty 6-24	£29.60 each
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i Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Protective Window **Type:**

Physical & Mechanical Properties

2.00 x 2.00 ±0.010 **Dimensions (inches):**

50.80 x 50.80 **Dimensions (mm):**

0.05 ±0.005	Thickness (inches):
1.27	Thickness (mm):
±0.005	Thickness Tolerance (inches):
50.80	Length (mm):
50.80	Width (mm):
Protective as needed	Bevel:
Silver Busbar Shielding Termination	Construction:
Fine Ground	Edges:

Optical Properties

S1: BBAR (450-650nm) S2: ITO Coating	Coating:
PET	Substrate: <input type="checkbox"/>

>84	Visible Light Transmission VLT (%):
Surface 1: $R_{avg} < 1\%$ @ 450 - 650nm Surface 2: Clear Hard Coated	Coating Specification:

450 - 650	Wavelength Range (nm):
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Electrical

49.00	Shielding Effectiveness @ 100MHz (dB):
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Material Properties

8.00	Surface Resistivity (Ω/ Sq):
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Regulatory Compliance

View	Certificate of Conformance:
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Product Details

- >84% Visible Light Transmission
- Reflects Infrared While Transmitting Visible
- 49dB Shielding Effectiveness

ITO Coated EM Shielded Plastic Windows offer the properties of a hot mirror transmitting >84% of visible light while reflecting 75% of wavelengths >1400nm. They provide excellent optical clarity and image reproduction. These EM shielded windows are suitable for displays requiring 8Ω EM radiation shielding. A front anti-reflection (AR) coating decreases unnecessary glare and reflection while a rear clear, hard coating increases durability. ITO Coated EM Shielded Plastic Windows are ideal for indoor and outdoor use including display protection and test instrumentation.

To prevent interference and image distortion, electromagnetic interference (EMI) shielded windows are used to decrease EM while maintaining a high level of optical clarity. Utilizing a coating of indium tin oxide (ITO), a conductive solid solution optically transparent to the visible spectrum but reflective of the infrared, ITO Coated EM Shielded Plastic Windows guard against the image-degrading effects of EM, thereby preserving optimum image reproduction.

The plastic substrate creates a durable window highly resistant to scratches, chemicals, and impact, yet lightweight and easily maintained. A silver busbar surrounding the circumference of the windows provide flexibility in window positioning and maximize electrical current while providing continuous protection from EM. Combined with ITO's high heat resistance, ITO Coated EM Shielded Plastic Windows are an excellent choice for harsh environments.

Compatible Mounts