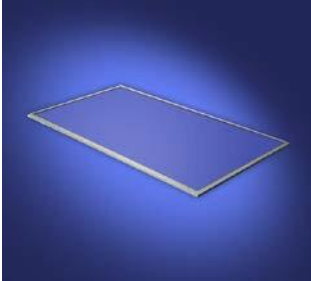




ITO Coatings for EMI / RFI Shielding



Key Features

- High optical transparency
- Low reflection
- Index matched to air, glass and adhesives
- Highly durable coating
- Wide range of sheet resistance

Applications

- Avionics displays
- Ruggedized displays
- Industrial displays
- Test & measurement equipment
- Handheld instruments

MAC Thin Films index matched ITO coatings offer superior EMI/RFI shielding and unsurpassed optical transmission for use on a wide variety of display applications.

We offer a wide range of ITO coatings ranging from <100 ohms/sq. to < 0.25 ohms/sq. All designs can be index matched to suit your specific design needs. Used in conjunction with our HEA[®] or LCD heater coatings, these filters can be customized with a variety of substrates to achieve outstanding electro-optical performance at a competitive price.

Our complete production facility can support your optical filter requirements through the design, proto-type phase with fabrication, bus bar and screen print applications, then scale for your production demands

2721 Giffen Avenue, Santa Rosa CA 95407 • P +1-707-791-1650

Copyright © 2014-2024 MAC Thin Films. All rights reserved. www.MACThinFilms.com

Product specifications and descriptions in this document are subject to change without notice.

ITO Coatings for EMI / RFI Shielding

Environmentally Tested Per Configurations MIL-C-675C & MIL-C-14806A

- 24-hour humidity
- Adhesion: Snap tape
- Abrasion: 20 eraser rubs
- Salt solubility
- Temperature resistance

Product

Substrates:

Clear soda lime float glass
Corning Eagle XG
Schott Boro33™

Thickness ranges:

0.7mm to 6mm

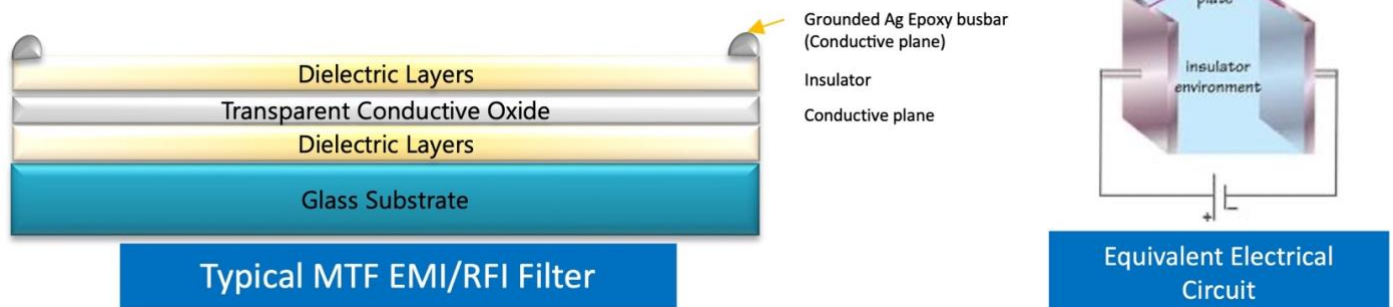
Tolerancing:

L x W: (0.7-1.9mm) +/-0.38mm

L x W: (2.3-5mm) +/-0.5mm

MAC Thin Films state of the art grounded busbar design couples capacitively through the thin dielectric layers to the conductive layer of the transparent conductive oxide (TCO) at the frequencies typical of EMI/RFI.

The grounded TCO forms a conductive shield as part of the overall Faraday cage. This design approach combines best optical performance with reliable EMI shielding.



**For ordering or additional product information, please contact us.
www.macthinfilms.com**

2721 Giffen Avenue, Santa Rosa CA 95407 • P +1-707-791-1650

Copyright © 2014-2024 MAC Thin Films. All rights reserved. www.MACThinFilms.com

Product specifications and descriptions in this document are subject to change without notice.