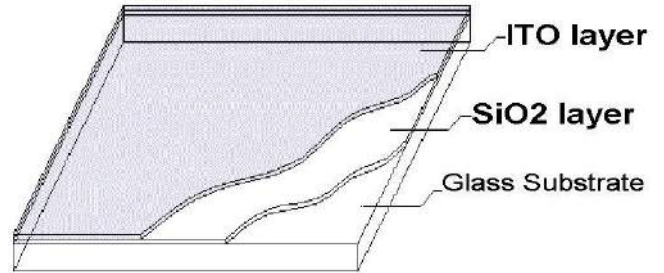


ITO (Indium Tin Oxide) Coated Conductive Windows

Chomerics offers a range of EMI shielded windows with ITO conductive coatings for use in EMI/RFI shielding applications. The combination of high visible light transmission, near neutral color and low electrical resistance make an ideal EMI/RFI shield for electronic displays requiring moderate shielding effectiveness and high quality optical properties. **CHO-ITO™** is a cost effective alternative to a mesh laminated window.



Product Format

CHO-ITO windows are offered as unlaminated or fully laminated glass filters with an ITO coating of 12 ohms/sq. They can be ordered with a variety of finishing options, ready-to-install. Laminated versions offer greater strength and options for front surface treatment and edge profiles.

Coating Properties

The soda lime float glass is coated with a primary layer of Silicone Oxide (SiO₂) and secondary layer of Indium Tin Oxide (ITO).

Termination Method

Direct contact can be made to the conductive surface by a suitable conductive fabric over foam gasket, silver loaded silicone gasket, copper tape or silver epoxy painted busbar. Do not use gaskets containing metal wire which can damage the coating or place the window directly against a hard plastic or metal surface.

Material Properties	
Surface resistance:	12 ohms/sq
Coating thickness:	150nm
Heat Resistance:	140°C
Humidity (60°C/90%RH):	No effect
Adhesion to glass:	MIL M-13508 4.4.6
Abrasion resistance:	MIL C-675-A 4.6.11
--	MIL E-12397-B
Transmittance @550nm:	89%
Color:	Clear
Reflection:	<4%

