

EMI ITO-15 Film

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EMI ITO-15 Film is an optical quality polyester film with a highly conductive ITO coating, 15 ohms/sq, on one surface. This film provides good shielding (Figure 1) and high visible light transmission (Figure 2), for use in display applications. The conductive ITO coating is more durable and damage resistant than a typical silver based coating and can be cleaned with isopropyl.

EMI ITO-15 Film is an ideal EMI shielding medium for applications requiring high light transmission and moderate shielding. Examples include high resolution CRT, multi-color, LCD, Touch Screen, and EL displays. With a thickness of only 0.007" (0.175mm), ITO-15 Film's low-profile design allows it to be a suitable solution where mechanical modifications of the application cannot be implemented.

Ordering Procedure

EMI ITO-15 Film can be provided in various shapes up to 30" x 96" for specific applications. Chomerics will provide Cho-Foil busbar or Chomerics gasket already applied to the ITO surface for termination options #2, #3, and #4. Each size and configuration will depend on the requirements of the application.

The film is also offered in standard sheet sizes of 15"x24" and 24"x30", which can be cut and terminated as required. See Table 2 for ordering part numbers.

Chomerics can provide the film laminated to a polycarbonate or glass substrate.

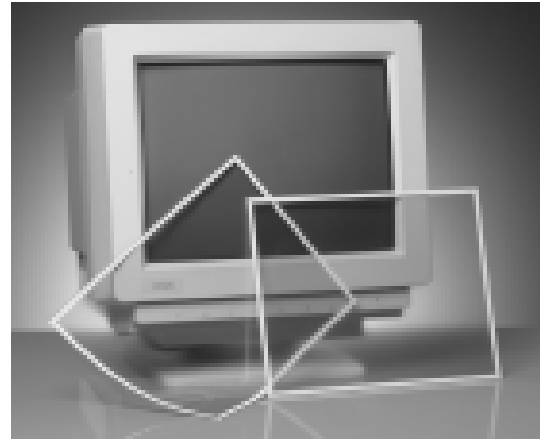


Figure 1 Shielding Effectiveness

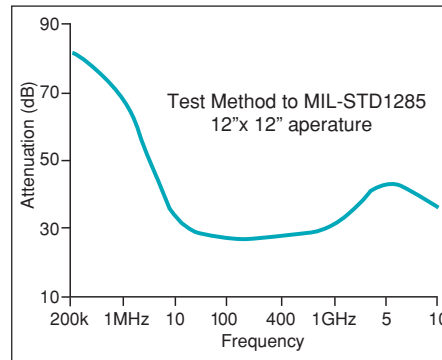
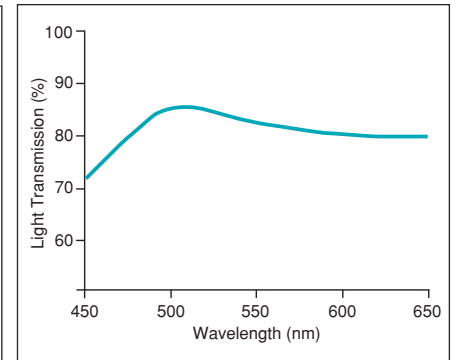


Figure 2 Light Transmission



Note 1: Data in Figure 1 and Figure 2 is typical performance data and should be used as a guideline only. It is suggested that the ITO-15 Film be tested in the application.

Table 1

MATERIAL SPECIFICATIONS	
Material	Stress Relieved Polyester
Surface Finishes	Side 1 - Plain Side 2 - ITO Surface (15 ohms/sq)
Thickness	0.007" (0.175mm)
Maximum Size	30" x 96" (762mm x 2438mm)
Shielding Effectiveness	See Figure 1
Light Transmission	See Figure 2
Temperature Range	-45°C - 100°C Un-Laminated -5°C - 45°C Laminated
Humidity	90% @ 60°C for 2 hrs. - No Effect
Color	Clear

Table 2

Ordering P/N	Nominal Size	Pack Quantity (Sheets per Box)
ITO-15-1524-5	15" x 24" (381mm x 609.6mm)	5
ITO-15-1524-10	15" x 24" (381mm x 609.6mm)	10
ITO-15-1524-20	15" x 24" (381mm x 609.6mm)	20
ITO-15-2430-5	24" x 30" (609.6mm x 762mm)	5
ITO-15-2430-10	24" x 30" (609.6mm x 762mm)	10
ITO-15-2430-20	24" x 30" (609.6mm x 762mm)	20

Typical Applications

