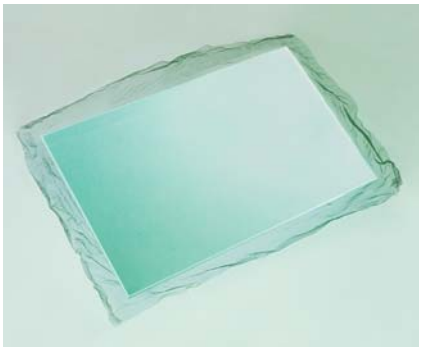
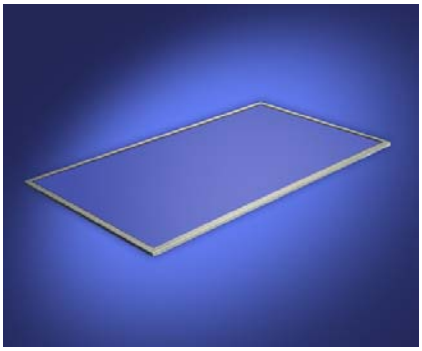
LowOhm™ Transparent Conductive Coatings



Key Features

- Durable HEA® optically coated glass reduces glare
- Custom index matching
- Low resistance conductive shielding for EMI/RFI suppression
- Contrast enhancement for sharp, clear graphics and text
- Optical transmission up to 80%
- Resolution exceeds MIL-STD-150A
- Custom design capability to meet customer requirements



Applications

- These windows provide shielding for industrial applications
- Design compatibility for use with all types of monochromatic and color displays
- Various transmission values available

LowOhm™ Invisible Shielding Windows for EMI/RFI Suppression

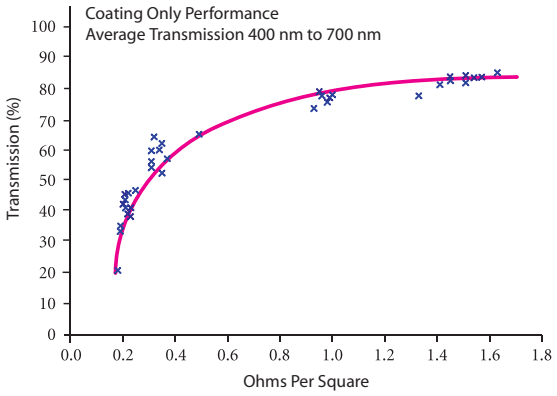
Our patented LowOhm™ high transmission conductive coatings provide EMI/RFI shielding for a wide range of industrial applications. These front filter panels offer unsurpassed viewability.

The viewing surfaces of the panels are enhanced by our non-diffusing, glare-reducing HEA® anti-reflective coatings which provide a bright and clear image on the display.

The rear surfaces of the panels are coated with precisely controlled multiple layers of Indium Tin Oxide to achieve resistivities as low as 0.25 ohms per square. This unique conductive coating provides industry-leading EMI/RFI suppression while maintaining high transmission that maximizes viewability. Various bus bar and termination techniques are available to ensure minimal interference leakage.

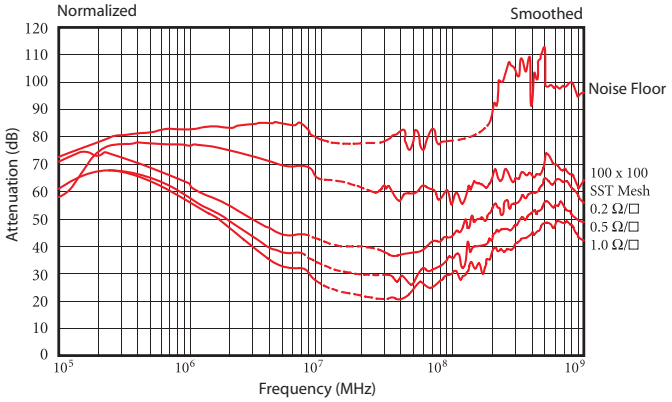
Our complete production facilities can support your optical filter requirements, from prototypes through OEM volumes. We provide worldwide customer service and global technical support in optical system design and manufacturing.

Typical Optical Transmission



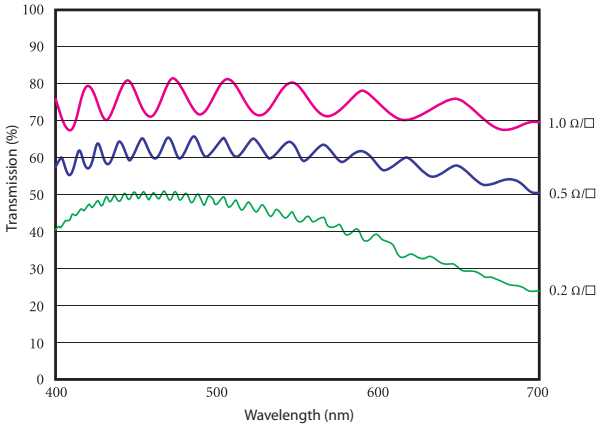
Percent transmission vs. resistivity for LowOhm coatings.

EMI/RFI Attenuation Curves



Typical shielding effectiveness, as a function of frequency, comparing our LowOhm™ transparent conductive coating to a window utilizing 100 x 100 mesh screen

Optical Transmission



Typical Transmission Curves for LowOhm™ ITO Coatings

Durability and Environmental Characteristics

- Durable HEA® coatings meet applicable government/military specifications
- Filters will withstand temperatures from -65° F to +165° F
- Rugged, laminated construction or single-strength ITO-coated glass available

Ordering Information

For more information on this or other products and their availability, please contact your local JDSU account manager or JDSU directly at 1-800-498-JDSU (5378) in North America and +800-5378-JDSU worldwide or via e-mail at customer.service@jdsu.com.