

Key Features

- High optical transparency
- Low specular reflectance
- Precise electrical resistivity
- Thermally uniform and stable

Applications

- Avionics displays
- Ruggedized displays
- Industrial displays

High Performance and Reliability

MAC Thin Films industry leading technology produces high transmission, low reflection, thermally stable LCD heater panels where the performance and reliability of the LCD display is a critical element in design functionality.

Our LCD heaters are manufactured in large vacuum deposition chambers where our source materials are thermally evaporated with precisely controlled layers of dielectric materials and indium tin oxide to achieve highly optimized optical and electrical properties for demanding applications.

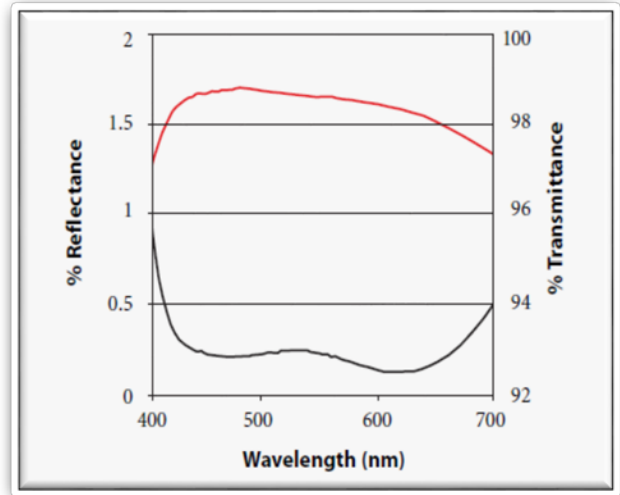
MAC Thin Films is committed to providing our customers with the expertise needed to navigate through the design and prototyping phases. We are also committed to delivering production units with unsurpassed product performance and complimented with superior customer service.

ITO Coatings for LCD Heater Panels

Product Configurations

- Substrates:
 - Clear soda lime float glass
 - Corning Eagle XG™
 - Schott Boro 33™
- Thickness ranges from 0.7mm to 6mm
- Tolerancing:
 - ITO Coating: +/-20%
 - L x W: (0.7-1.9mm) +/-0.38mm
 - L x W: (2.3-5mm) +/-0.5mm

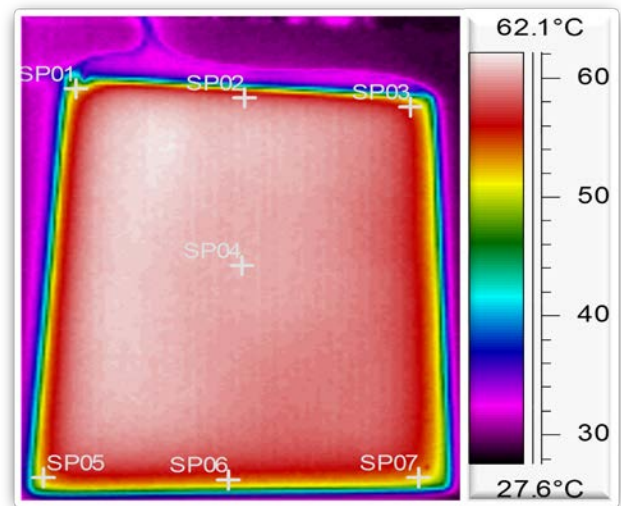
Optical Performance (Typical IM 20 Ω/sq.)



Environmental & Durability Tests

- 24 hour humidity (MIL-C-675)
- Adhesion: Snap tape (MIL-M-13508)
- Abrasion: 40 eraser rub (MIL-C-675)
- Salt solubility (MIL-C-675)
- Temperature resistance (MIL-C-14806)

Thermal Performance (Typical IM 20 Ω/sq.)



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