

TECHNICAL BULLETIN

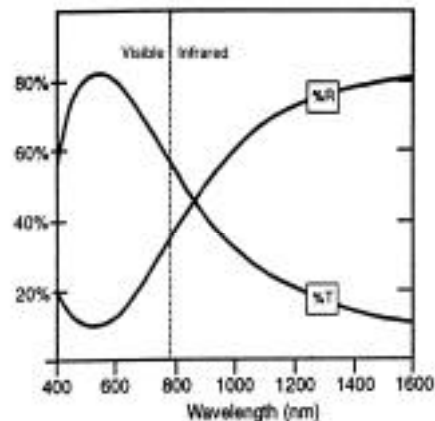
Duralan II Heat Shield™

Silver Cloud's Duralan II Heat Shield display filter windows provide protection to LCD displays from heat generated by infrared light. This added protection may enable displays to function more efficiently in applications where there is exposure to direct sunlight and the potential of heat build-up. A special film is laminated with other plastic materials that reflects infrared light, instead of letting it pass through the filter. At the same time, visible light is easily transmitted through the filter, enabling the display to be clearly viewed. In addition, depending on the application, Duralan II Heat Shield may also provide EMI/RFI protection.

Duralan II filters can be designed in custom thicknesses and are available with various hard-coated, antiglare surface finishes. Silver Cloud custom fabricates all filters per your requirements.

Duralan II Heat Shield features:

- Custom thicknesses - .020" to .200" thick.
- Sizes up to 20" wide.
- Approximately 75% I/R reflectance @ 1200 nm.
- Shielding effectiveness between 20-40 dB, depending on frequency.
- Unique hard-coated surfaces, offered in various gloss levels.
- Custom graphics, fabrication & finishing.



Specific performance characteristics such as surface hardness, chemical resistance, environmental testing, etc., can be found in Silver Cloud's Duralan II Product Bulletin.

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