

Section E

SHIELDED WINDOWS

Codes 842-845

GENERAL

A micro-fine wire mesh screen is laminated between polycarbonate sheets. Shielded Windows to customer specific dimensions will be fabricated from the sheet. In a step construction, a groove is milled all the way round the edge of the sheet. A silver busbar is the electrical contact from the screen.

MATERIALS

- Type of plastic: Polycarbonate and other optical materials.
Maximum size: 550 x 550 mm
Thickness: 1.6, 2 and 3 mm as standard
Tolerances: +/- 0.2 mm
- Screen: Stainless steel: 100 OPI and 50 OPI
Surface: Bright or blackened wire diameter 0.025 mm or 0.05 mm for busbar.
Light transmission: up to 80 %
- Busbar: Silver Epoxy coating can be used to link the busbar to the enclosure.

TYPICAL SHIELDING EFFECTIVENESS

Frequency (MHz)	10	100	1000
Attenuation (dB)	65	70	55

(Test data to MIL-STD 285, 12" x 12" aperture)