

EMI SHIELDING WINDOW

P/N: DXN-5520S0XX



SPECIFICATION

Light transmittance Approx. 78%* (*compared to transparent acrylic)

Thickness 1.5, 2, 2.5, 3, & 4 mm

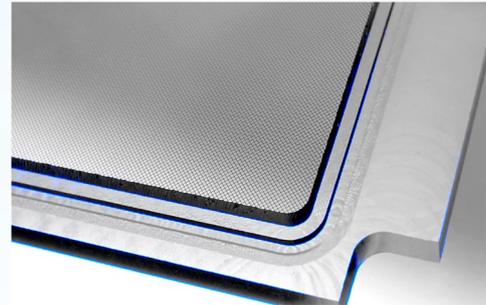
Mesh types Bright or blackened copper or steel

Mesh orientation 0 - 45 degrees

Std. Operation temperatures -40/+70 degrees Celsius.

Dimensions Up to 1500 x 1000 mm

Busbars: Flexible, conductive silver or nickel



FEATURES

Material Sheet cast PMMA with EMI-Shielding metal mesh embedded into one single layer.

Mesh orientation Windows can be cut in all angles between 0 to 90°. Typically it is orientated 30 to 45° to avoid moire'.

Mechanical processing Sawing, CNC milling, and laser cutting into the desired size and shape are available and optimized for application-specific needs.

Termination Conductive silver- or nickel busbar, creating direct contact from mesh wire ends to termination/ground plane.

Mesh position The mesh position is usually close to the rear surface but can also be positioned close to the front surface to fulfill application-specific needs.

MECHANICS:

Tensile strength (rupture): 76 MPa

Elongation at rupture: 6%

Flexural strength (rupture):130 MPa

Specific heat: 1.32 J/g °C

Heat stability-Vicat (3mm): 110 °C

Linear thermal exp. Coefficient: 0.08 mm/m °C-1

Thermal conductivity: 0.17 W/m K

Refractive index: 1.49

Fire behavior: UL94 HB