

High Transmittance EMI Shield Window



Blocking EMI without sacrificing transmittance

Customize or choose
from standard products
(See backside)

Flexible Customization

Mesh pitch is customized to your shielding and transmittance specifications



Prioritize Transmittance

Transmittance

85% Shielding Effectiveness
45dB

Open Area 93%

By widening the pitch, we can achieve up to 85% transmittance and 93.5% open area with 45dB shielding at 1 - 1000MHz. A loss of only 6.5% transmittance with the glass substrate.

※The glass substrate has transmittance of 91.5%.

or

Prioritize Shielding

Shielding Effectiveness

Transmittance
60% **60dB**

Open Area 55%

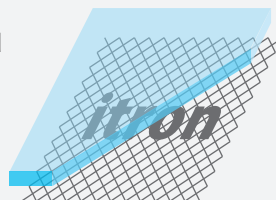
By narrowing the pitch, we can achieve high 60 dB shielding with 60% transmittance and 55% open area.

※Shielding test method: KEC (1-1000Mhz)

Photo-etch Icon or Text

Provided icons or text can be photo-etched and blackened with the mesh pattern.

A blackened border may be added to non-viewable area with icons or texts.



The mesh width, pitch and pattern is customizable to meet your specifications.

Pattern is photo-etched on the back of the glass and impervious to friction.

Custom Sizes

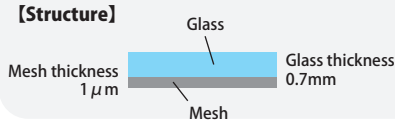
Panel size can be customized up to 15".

Thickness of the conductive border is also customizable.

Additional Benefits

Thin glass that's scratch resistant and incombustible

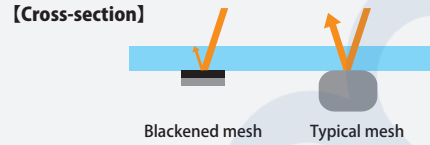
The EMI Shield Window is comprised of glass that's as thin as 0.7 mm with a mesh thickness of 1 μ m. It can also withstand up to 400°C without disfiguration. It is also scratch resistant, easy to clean, and impervious to mild chemicals.



0.7 mm Glass Thickness
1 μ m Mesh Thickness

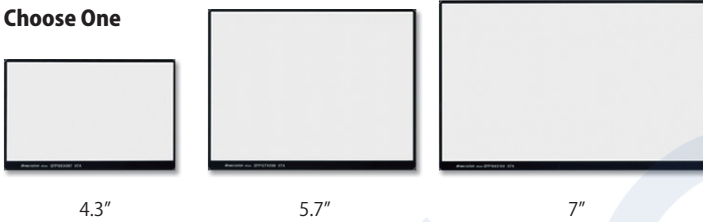
Blackened mesh for enhanced contrast

Noritake's proprietary blackened mesh. Enhance contrast and eliminate reflection from mesh



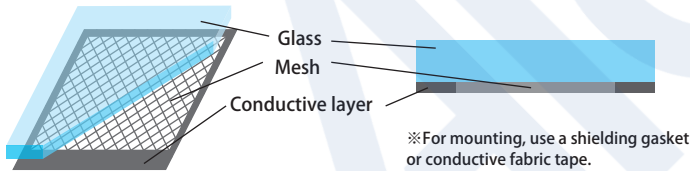
Standard Products

Choose One



Structure

The EMI Shield Window has a conductive border which is used when mounting to the non-viewable area of your opening.



Composite Material

Soda lime glass, aluminum, and minor additives

Specifications

Part number	Display size	Outer dimensions (mm)	Mesh area (mm)	Mesh pitch (μ m)	Resistance (Ω)	Shield effectiveness 1-1000MHz (dB)	Transmittance (%)	Open area (%)
FFP105X067B07A	4.3"	105 x 67 x 0.7	101 x 59	300	2	45	85	93.4
FFP127X098B07A	5.7"	127 x 98 x 0.7	123 x 90	300	2	45	85	93.4
FFP164X104B07A	7"	164 x 104 x 0.7	160 x 96	300	2	45	85	93.4

EMI Shielding Characteristics

