

Noritake *itron*[®]

NEW

High Transmittance EMI Shield Window



Blocking EMI without sacrificing transmittance

Customized or choose
from standard products
(See backside)

Flexible Customization

Mesh pitch is customized to your shielding and transmittance specifications



Prioritize Transmittance

Open Area

93% **35dB**

Shielding Effectiveness

or

Open Area

65% **60dB**

Shielding Effectiveness

By widening the pitch, we can achieve up to 85% transmittance and 93% open area with 35 dB at 1 - 1000MHz. Loss of only 6.5% transmittance of glass substrate.

※The glass substrate has transmittance of 91.5%.

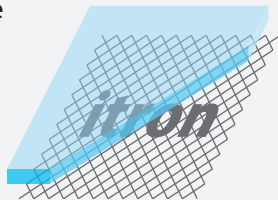
By narrowing the pitch, we can achieve high 60 dB shielding with transmittance of typical metal mesh.

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

Photo-etch Icon or Text

Provided icons or texts can be photo-etched with the Mesh pattern and also be blackened.

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



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

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 conductive border is also customizable.

Additional benefits

Thin glass that's scratch resistant and incombustible

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

0.7 mm Glass Thickness
1 μ m Mesh Thickness

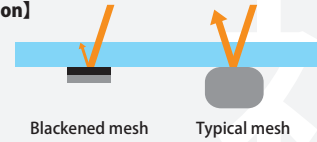
[Structure]



Blackened mesh for enhanced contrast

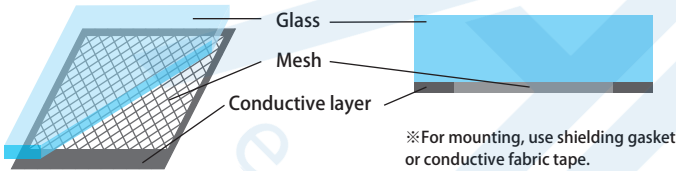
Noritake's proprietary blackened mesh. Enhance contrast and reduce reflection from mesh

[Cross-section]



Structure

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



Applications

- Displays such as LCD's or TFT's
- Viewing window of manufacturing equipments
- Other equipment openings that requires reduction of EMI

Standard Products

Outline



4.3"

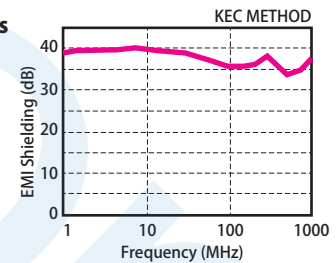


5.7"



7"

Shield Effectiveness



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 (%)
EFP105X067B07A	4.3"	105 x 67 x 0.7	101 x 59	300	2	35	85	93
EFP127X098B07A	5.7"	127 x 98 x 0.7	123 x 90	300	2	35	85	93
EFP164X104B07A	7"	164 x 104 x 0.7	160 x 96	300	2	35	85	93
EFP340x244B07A	15"	340 x 244 x 0.7	336 x 234	300	2	35	85	93

Composite Material

Soda lime glass, Aluminum, and minor additives

● "ITRON" is registered trademark of NORITAKE ITRON CORP. ● Content of this document is subject to change without notice. Refer to specification for more detail. ● Images are reference only

