

# 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% Shielding Effectiveness 45dB

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

※The glass substrate has transmittance of 91.5%.

or

### Prioritize Shielding

Shielding Effectiveness

Open Area 55% 60dB

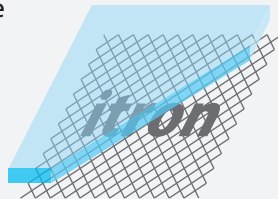
By narrowing the pitch, we can achieve high 60 dB shielding with transmittance of typical metal mesh.

※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.

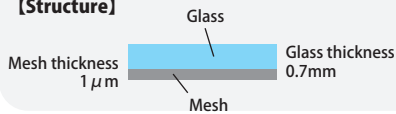
## Additional benefits

### Thin glass that's scratch resistant and incombustible

EMI Shield Window is comprised of glass that's thin as 0.7 mm and 1  $\mu$ 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  $\mu$ m** Mesh Thickness

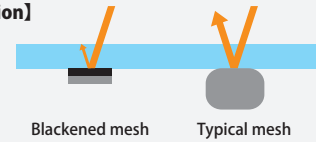
**[Structure]**



### Blackened mesh for enhanced contrast

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

**[Cross-section]**



## Standard Products

**Choose one**



4.3"



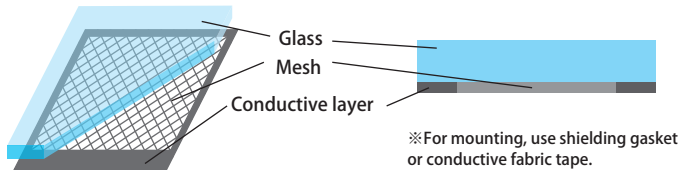
5.7"



7"

**Structure**

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



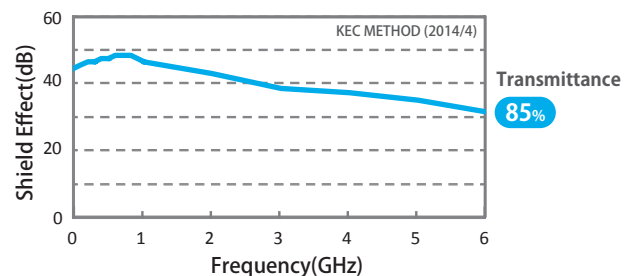
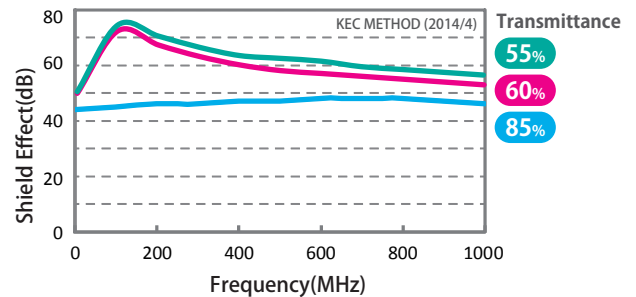
**Composite Material**

Soda lime glass, Aluminum, and minor additives

**Specifications**

Part number	Display size	Outer dimensions (mm)	Mesh area (mm)	Mesh pitch ( $\mu$ m)	Resistance ( $\Omega$ )	Shield effectiveness 1-1000MHz (dB)	Transmittance (%)	Open area (%)
EFP105X067B07A	4.3"	105 x 67 x 0.7	101x 59	300	2	45	85	93.4
EFP127X098B07A	5.7"	127 x 98 x 0.7	123 x 90	300	2	45	85	93.4
EFP164X104B07A	7"	164 x 104 x 0.7	160 x 96	300	2	45	85	93.4

**Shield Effectiveness**



CONTACT

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