

9600 EMI-shielded glass

EMI/RFI-shielded glass 9600 series

The combination of high light transmission, near-neutral colour and low electrical resistance makes this glass an ideal EMI/RFI shield for electronic displays requiring moderate shielding effectiveness and high-quality optical properties.

EMI/RFI-shielded glass is suited for outdoor use and provides excellent shielding performance from 10 KHz up to 40 GHz. In addition the coating has good scratch-resistant properties. Typical applications are medical and military LED/LCD monitors, shielded cameras, sensors and displays.

Our EMI/RFI-shielded glass provides a good balance between shielding on the one hand and optical clarity on the other.

On request EMI/RFI-shielded glass with 20 Ohms/sq is available. The disadvantage of this glass is that it has reduced light transmission and increased light reflection.

Technical details

Light transmission:	84%
Electrical resistance:	10-12 Ohms/sq
Temperatures:	-60 / +110 Celsius
EMI-shielding effectiveness:	24 - 98 dB (10KHz - 40GHz)
Available thicknesses:	3, 4, and 6 mm

Advantages

- Excellent EMI/RFI shielding
- High transparency
- Scratch resistant
- Suited for outdoor use
- Any shape or size available
- Can be produced or cut according to CAD drawing

Options (on request)

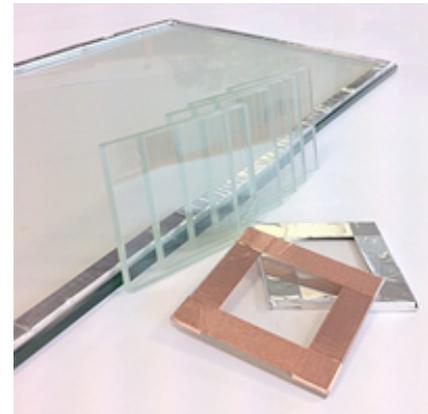
- Tempered to increase impact resistancy
- Anti-glare
- Laminated with highly transparent mesh foil for very high shielding performance

Applications



EMI-shielded glass in cockpit display

- Shielded sensors
- Shielded displays, glass, or windows
- Shielded cameras
- RF shielding
- EMI shielding



Shielded EMI glass 9600



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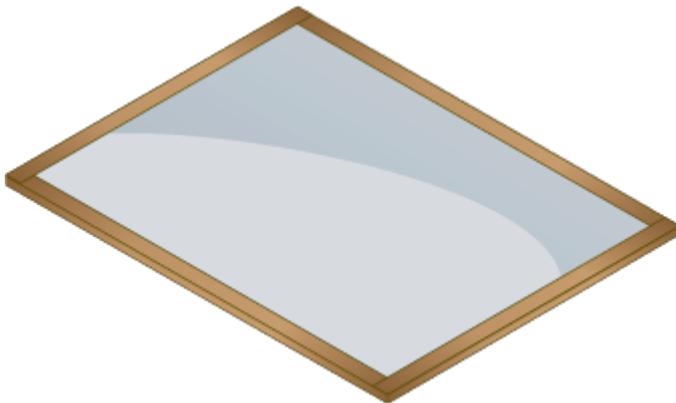
Contact edges

EMI/RFI-shielded glass 9600 series is conductive on one side. If you want to establish a connection with the other side of the glass which is not conductive, a contact edge is needed.

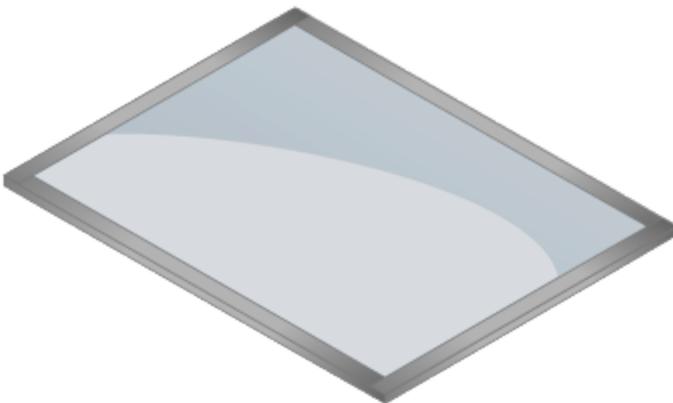


EMI/RFI-shielded glass 9600 series -drawing

The glass is also available finished with an aluminum frame for easy mounting in Faraday cages and MRI rooms. We can supply EMI-shielded glass with the following edges:

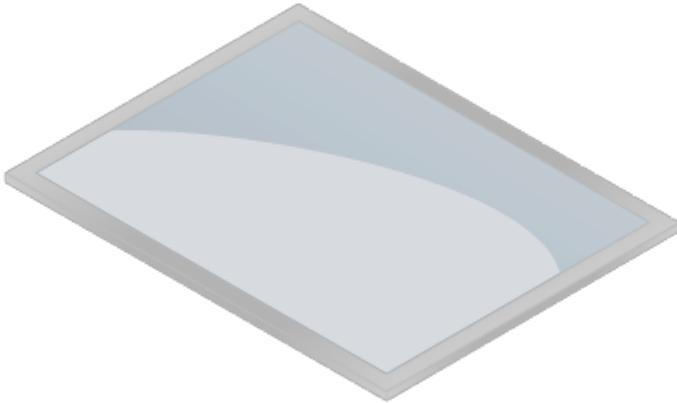


(C) With copper edges for grounding

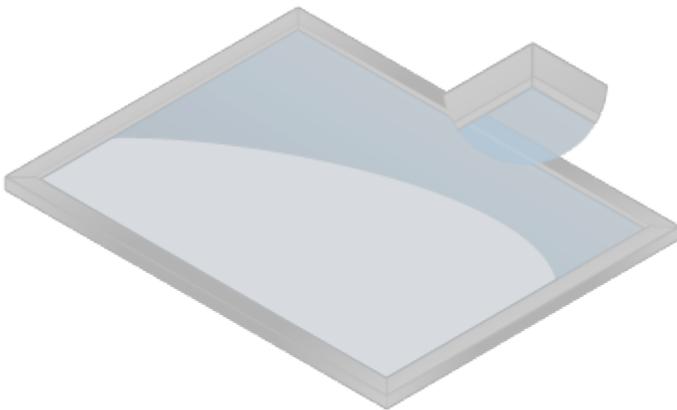


(TC) With tinned copper edges for easy soldering and grounding

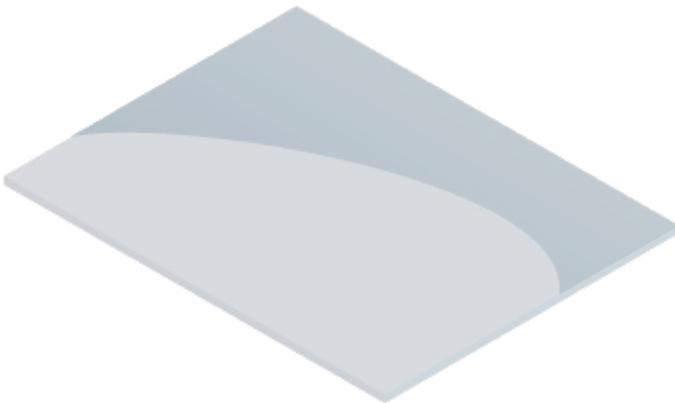
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(S) With a silver busbar



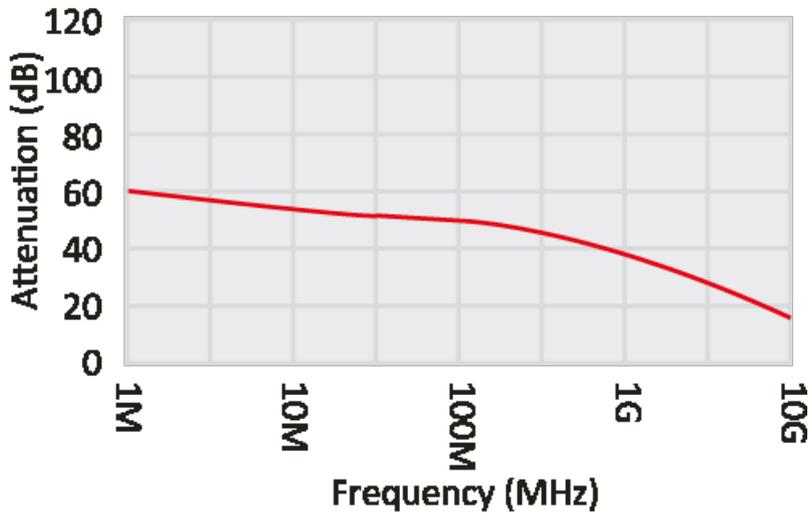
(F) With an aluminium frame for shielded enclosures, Faraday cages and MRI rooms



(N) Without a special contact edge; there still is electrical conduction at the coated side of the glass.

Shielding performance

9600 EMI-shielded glass



Shielding performance of EMI/RFI-shielding glass

Please note: the top layer can be affected by acids, for example from the skin. To protect the conductive layer, you can apply a transparent film or use the adhesive side on top.

Small optical defects are allowed in this product. If you require a product that is absolutely free from optical defects, we invite you to contact us for the "superior selected quality". Please realize that due to the extreme caution needed to manufacture these products, they can be several times more expensive.

Series	Width (mm)	Height (mm)	Thickness (mm)	Contact edge
9600	Width of the visible area in mm	Height of the visible area in mm	Select an option: 3 : 3 mm thick 4 : 4 mm thick 6 : 6 mm thick	Select an option: C : Copper TC : Tinned copper S : Silver bushbar F : With aluminium frame N : No contact edge