PSC

ALWAYS IN FRONT

Solaris Shield™

Thin and lightweight EMI-shielding with excellent shielding performance

Solaris-Shield™ is a range of acrylic optical filters with cast-in metal mesh, which is either copper or stainless steel. To ensure optimal EMI-shielding, electrical contact is applied between the entire perimeter of the mesh and the housing of the application. The connection is either conductive silver or nickel paint combined with conducting gaskets or glue. Optical interference (Moiré) is avoided by installing the mesh at a certain angle relative to the display.

Typical Applications

Solaris-Shield™ cover glass is typically used in applications such as battlefield tactics systems, communication systems, or secure laptop computers within the military or aviation industry. Other typical application areas include sensitive medical equipment, test and measurement systems, and information displays at airports, railways, or bus terminals.

Customization

This solution is usually transparent, but colored Solaris-Shield™ is also available. Solaris-Shield™ can be machined to virtually any required product size and specification. Silk screen printing and surface treatments are available upon request, which means complete design freedom both in terms of aesthetics and functionality.

Technical Data

Light Transmission:	Approx. 78%
Thickness:	1,5 to 4mm
Dimensions:	Up to 1500x1000m
Mesh Types:	Bright or blackened copper or steel
Mesh Orientation:	0 to 45 degrees
Bus Bars:	Flexible, conductive silver or nickel
Operating Temps:	-40C to + 70C

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