



Moxtek D-Mount



Moxtek S-Mount



Various Cut Polarizer Shapes and Sizes

Mounting Options

Moxtek also offers to mount our polarizers in custom mounts which the customer provides or which Moxtek sources using the customer supplied drawing. Moxtek ensures that the polarizer meets the performance and visual specifications after the mounting.

Please contact us for information about customized mounts.

Custom Sizes

Moxtek offers custom sizing and shapes of polarizers for customers. For dimensional limits for specific shapes and glass substrates, please see next page.

Standard Mounts - Moxtek can provide protective mounting for our polarizer plates that reduce the risk of damaging the wire-grid polarizer structure. These mounts come in standard sizes shown in the table below.

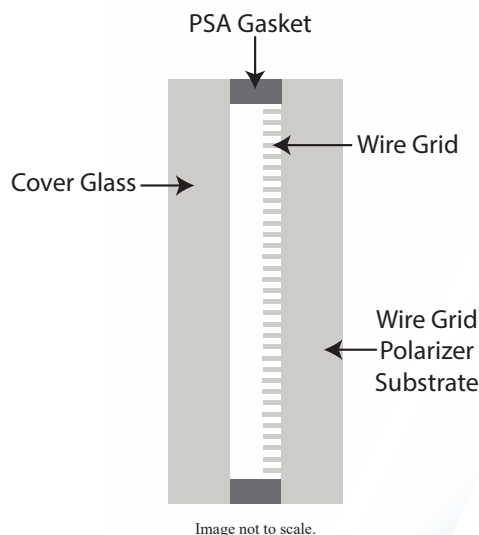
Standard Mount Size Table

D-Mounts (Circular)		S-Mounts (Square)	
Size (mm)	Clear Aperture (mm)	Size (mm)	Clear Aperture (mm)
Ø12.5	Ø8.5	12.5x12.5	7.0x7.0
Ø25.0	Ø19.0	25.0x25.0	19.0x19.0
Ø50.0	Ø42.0	50.0x50.0	44.0x44.0

All mounts are 5.8mm in thickness

Features	Benefits
Mount Material	6061 anodized aluminum
Frame	Good coefficient of thermal expansion
	Protection - don't handle or touch polarizer directly
	Cover glass mounted in frame to protect wire grid (optional)
Identification on Frame	Transmission axis (Reference mark) (See other side for wire grid direction explanation.)
	Product Name
Options	3 Standard Sizes (see table above)
	S-Mounts (Square) or D-Mounts (Circular)
	Single polarizers, double polarizers, and polarizers with cover glass*

*A cover glass is available for additional protection of the wire-grid surface, see below:



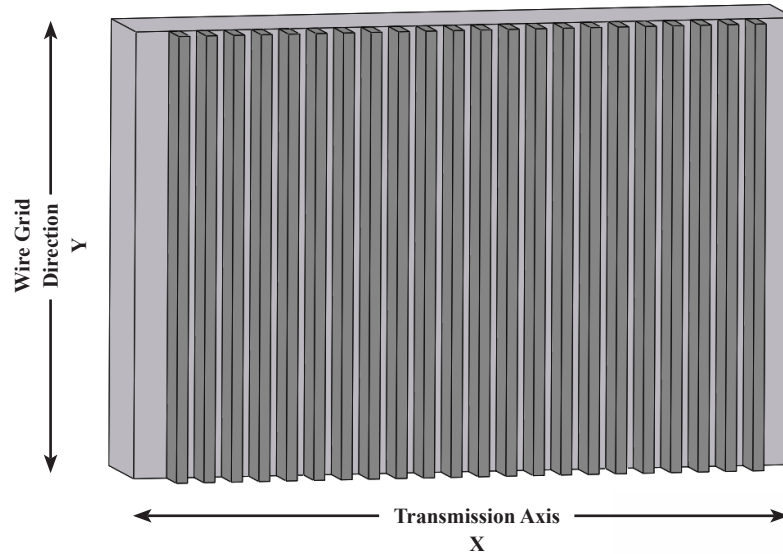
Moxtek uses pressure sensitive adhesive (PSA) gasket for cover glass assemblies. This cover glass is AR coated to reduce reflections and will reduce the transmission performance of the polarizer slightly.

Minimum Cut Sizes & Clear Aperture

Minimum Dimension Limits												
Substrate	Min Dim (mm)	Dim Tolerance (mm)	Clear Aperture (mm)	Min Dim (mm)	Dim Tolerance (mm)	Clear Aperture (mm)	Min Dim (mm)	Dim Tolerance (mm)	Clear Aperture (mm)	Min Dim (mm)	Dim Tolerance (mm)	Clear Aperture (mm)
	○ Rounds			■ Square			○ Rounds with Cover Glass			■ Square with Cover Glass		
0.7mm Eagle XG	10	±0.15	7	4 x 4	±0.1	2 x 2	10	±0.4	6	6 x 6	±0.2	2 x 2
0.7mm Fused Silica	10	±0.15	7	4 x 4	±0.1	2 x 2	10	±0.4	6	6 x 6	±0.2	2 x 2
0.7mm Silicon	N/A	N/A	N/A	10 x 10	±0.5	6 x 6	N/A	N/A	N/A	N/A	N/A	N/A
1.0mm Fused Silica	12.5	±0.2	9.5	10 x 10	±0.2	7 x 7	12.5	±0.4	8.5	10 x 10	±0.4	6 x 6
1.6mm Borofloat	24	±0.4	21	12 x 12	±0.4	9 x 9	24	±0.5	20	12 x 12	±0.5	8 x 8
1.6mm Fused Silica	24	±0.4	21	12 x 12	±0.4	9 x 9	24	±0.5	20	12 x 12	±0.5	8 x 8

Please contact us for information about customized shapes that is not listed in the table.

Maximum part size is 180mm diameter.



Wire grid direction is 90° from T.A. as shown above T.A. is referenced to the long side of part. Reference mark on mounts indicate the T.A. direction.

For warranty and ordering information, please visit www.moxtek.com.



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