

25mm Square Broadband Polarizing Plate Beamsplitter



Stock **#48-545** [CONTACT US](#)

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+

S\$372^{.40}

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Volume Pricing	
Qty 1-10	S\$372.40 each
Qty 11-25	S\$281.40 each
Qty 26+	S\$273.00 each
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Product Downloads

General	
Linear Polarizer	Type:
Physical & Mechanical Properties	
21.0 x 21.0	Clear Aperture CA (mm):
25.00	Length (mm):

25.0 x 25.0	Dimensions (mm):
0.70 ±0.07	Thickness (mm):
±0.2	Dimensional Tolerance (mm):
Wire Grid	Construction:
25.00	Width (mm):

Optical Properties	
45 ±15	Angle of Incidence (°):
Corning Eagle XG	Substrate: ☐
80-50	Surface Quality:
Surface 2: R _{abs} <2.0% @ 420 - 670nm	Coating Specification:
420 - 700	Wavelength Range (nm):
±1	Transmission Axis Tolerance (°):

Material Properties	
31.7 x 10 ⁻⁷ /°C	Thermal Expansion:

Environmental & Durability Factors	
-40 to +200	Operating Temperature (°C):

Regulatory Compliance	
Compliant	RoHS 2015:
Compliant	Reach 224:
View	Certificate of Conformance:

Product Details

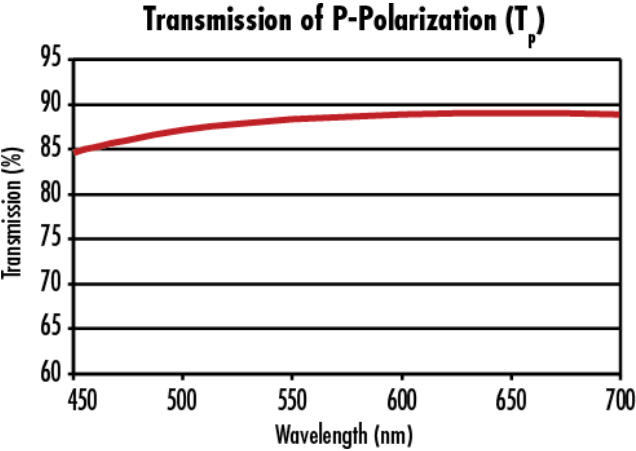
- Wire Grid Technology
- Reflects S-Polarized Light, Transmits P-Polarized Light
- Ideal for High Temperature Environments

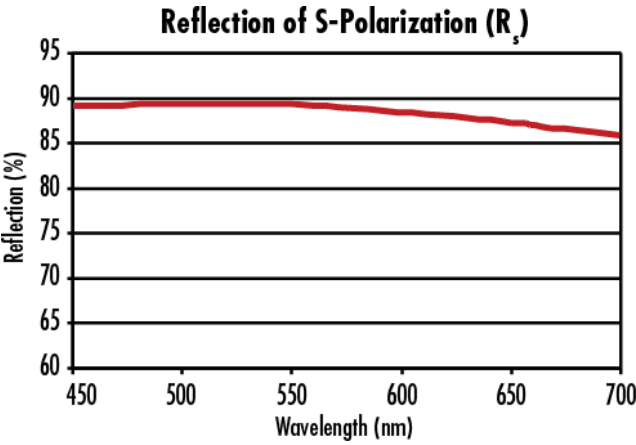
Broadband Polarizing Plate Beamsplitters consist of a thin layer of aluminum MicroWires adhered to a glass window. These beamsplitters are an alternative and economical substitute for ruled or holographic [wire grid polarizers](#). Providing exceptional image contrast and uniformity, these beamsplitters are ideal for applications requiring large angular apertures and high throughput. Broadband Polarizing Plate Beamsplitters reflect S-polarized light and transmit P-polarized light. The beamsplitters are offered in a 12.5 x 12.5mm or 25 x 25mm size.

Note: MicroWires are very fragile. Handle these beamsplitters with care.

If the operating temperature will exceed 100°C, turn the MicroWires surface away from the input beam for optimum performance. At temperatures below 100°C, the MicroWires can be oriented towards the input beam.

Technical Information





Special Handling

These optics require special handling to avoid damage and ensure long-term performance. Proper handling, cleaning, and storage are essential to maintain optical quality. Explore our [Optics Cleaning Resources](#) for step-by-step guides and best practices. For personalized assistance, [Email us](#) or [Chat](#) with our technical support team.



Component Handling Tools