

25mm Square Broadband Polarizing Plate Beamsplitter



Stock **#48-545** 20+ In Stock

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1

+

€251^{,32}

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Volume Pricing	
Qty 1-10	€251,32 each
Qty 11-25	€189,52 each
Qty 26+	€184,37 each
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

General

Linear Polarizer

Type:

Physical & Mechanical Properties	
21.0 x21.0	Clear Aperture CA (mm):
25.00	Length (mm):
25.0 x25.0	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 x10 ⁻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

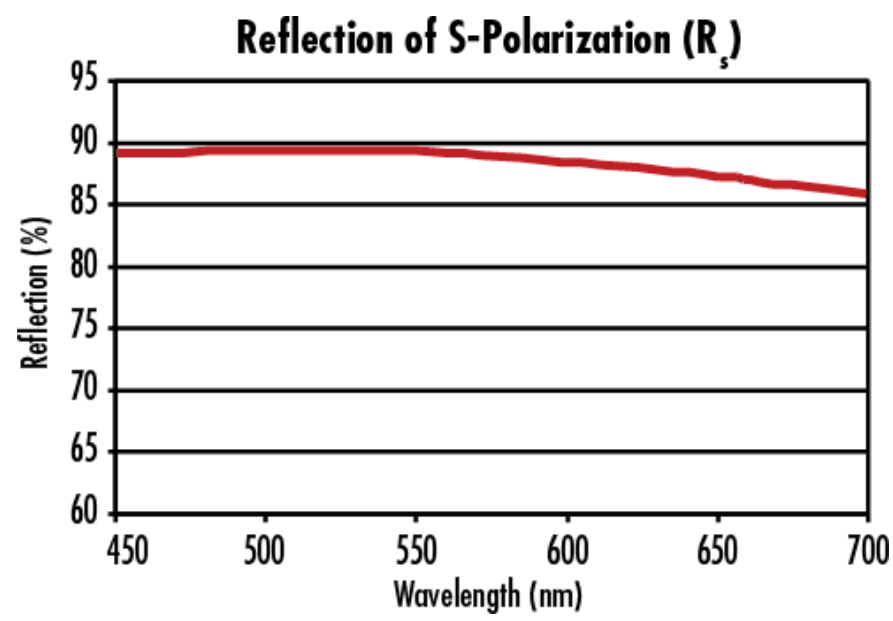
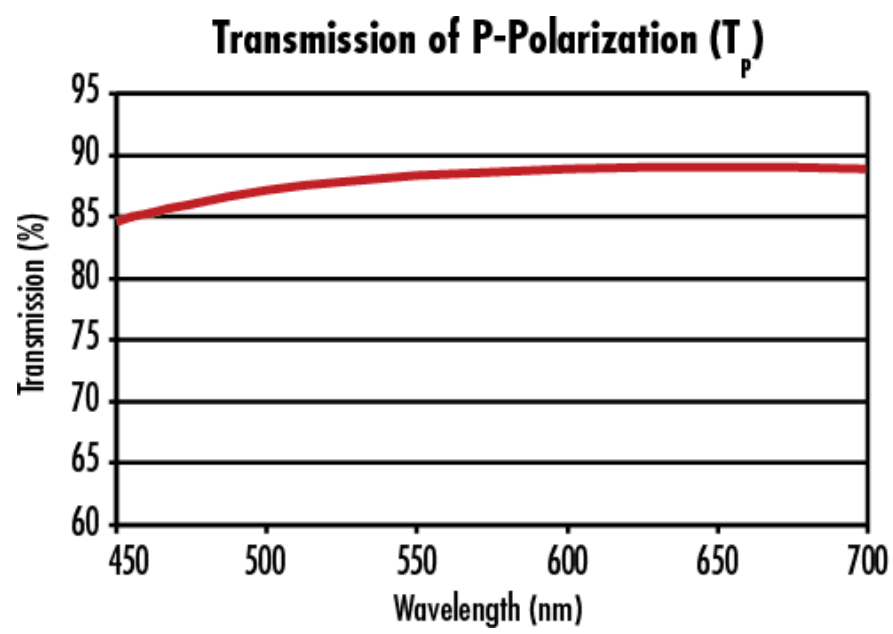
- Wire Grid Technology
- Reflects S-Polarized Light, Transmits P-Polarized Light
- Ideal for High Temperature Environments

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 x25mm size.

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

If the operating temperature will exceed 100°C, turn the MicroWres 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