

[See all 2 Products in Family](#)

## 25mm Square Broadband Polarizing Plate Beamsplitter



Stock #48-545 **14 In Stock**

⊖ 1 ⊕ £212.<sup>80</sup>

**ADD TO CART**

### Volume Pricing

Qty 1-10	£212.80 each
Qty 11-25	£160.80 each
Qty 26+	£156.00 each
Need More?	<a href="#">Request Quote</a>

ⓘ Prices shown are exclusive of VAT/local taxes

### 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	<b>Dimensions (mm):</b>
0.70 ±0.07	<b>Thickness (mm):</b>
±0.2	<b>Dimensional Tolerance (mm):</b>
Wire Grid	<b>Construction:</b>
25.00	<b>Width (mm):</b>

## Optical Properties

45 ±15	<b>Angle of Incidence (°):</b>
<a href="#">Corning Eagle XG</a>	<b>Substrate:</b> <input type="checkbox"/>
80-50	<b>Surface Quality:</b>
Surface 2: R <sub>abs</sub> <2.0% @ 420 - 670nm	<b>Coating Specification:</b>
420 - 700	<b>Wavelength Range (nm):</b>
±1	<b>Transmission Axis Tolerance (°):</b>

## Material Properties

31.7 x 10 <sup>-7</sup> /°C	<b>Thermal Expansion:</b>
-----------------------------	---------------------------

## Environmental & Durability Factors

-40 to +200	<b>Operating Temperature (°C):</b>
-------------	------------------------------------

## Regulatory Compliance

<a href="#">Compliant</a>	<b>RoHS 2015:</b>
<a href="#">Compliant</a>	<b>Reach 224:</b>
<a href="#">View</a>	<b>Certificate of Conformance:</b>

## Product Details

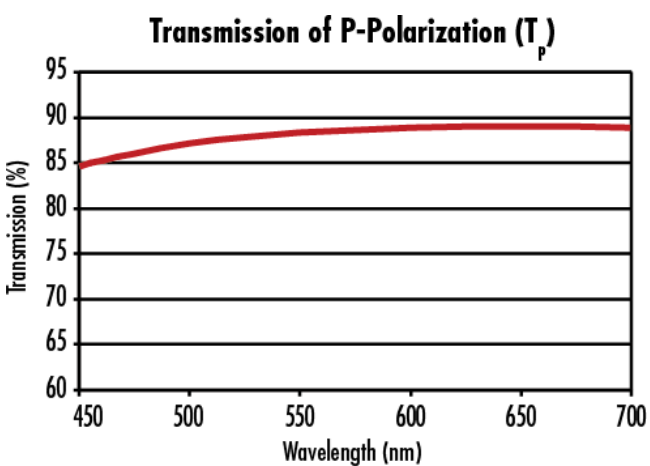
- Wire Grid Technology
- Reflects S-Polarized Light, Transmits P-Polarized Light
- Ideal for High Temperature Environments

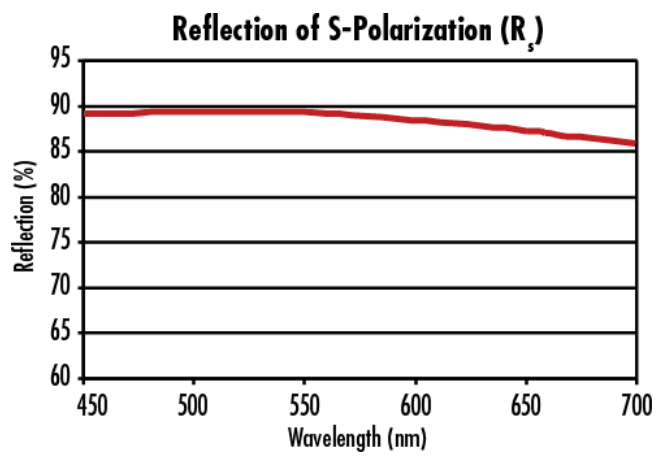
Broadband Polarizing Plate Beamsplitters consist of a thin layer of aluminum MicroWires adhered to a glass window. These beamsplitters are an alternative and economical substitute for ruled or holographic [wire grid polarizers](#). Providing exceptional image contrast and uniformity, these beamsplitters 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