

**TECHSPEC® 20mm, 632.8nm, Lateral Displacement Polarizing Beamsplitter**



Lateral Displacement Beamsplitters

Stock **#47-191** **1 In Stock**

⊖ 1 ⊕ **S\$1,120<sup>00</sup>**

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Volume Pricing	
Qty 1-5	<b>S\$1,120.00</b> each
Qty 6-25	<b>S\$889.00</b> each
Qty 26-99	<b>S\$826.00</b> each
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**General**

Linear Polarizer **Type:**  
Polarizing **Type of Optics:**

**Physical & Mechanical Properties**

80.00 **Clear Aperture (%):**

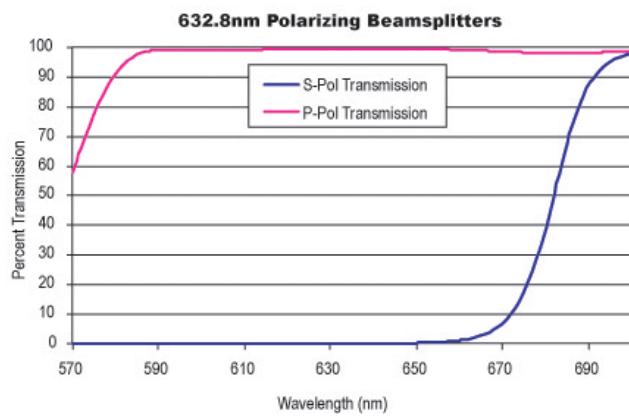
Prism	<b>Construction:</b>
±0.1	<b>Dimensional Tolerance (mm):</b>
<2	<b>Parallelism (arcmin):</b>
<b>Optical Properties</b>	
±5	<b>Angle Tolerance (arcsec):</b>
20.00	<b>Beam Separation (mm):</b>
$R_{\text{rms}} < 0.3\% @ 632.8\text{nm}$	<b>Coating Specification:</b>
632.8	<b>Design Wavelength DWL (nm):</b>
>1000:1	<b>Extinction Ratio:</b>
>95	<b>P-Polarization Transmission (%):</b>
>99	<b>S-Polarization Reflection (%):</b>
<b>N-BK7</b>	<b>Substrate:</b> <input type="checkbox"/>
$\lambda/8$	<b>Surface Flatness (P-V):</b>
40-20	<b>Surface Quality:</b>
<b>Regulatory Compliance</b>	
<a href="#">View</a>	<b>Certificate of Conformance:</b>

## Product Details

- Visible and NIR Coating Options Offered
- Simplifies Benchtop Layout
- Split Incident Beam into Two Displaced Parallel Beams

TECHSPEC® Lateral Displacement Beamsplitters output two parallel beams separated by a fixed distance. The beamsplitters consist of a precision **rhomboid prism** cemented to a  $\lambda/8$  **right angle prism**. The high tolerance design ensures the exiting beams are parallel to within 2 arcmin. TECHSPEC® Lateral Displacement Beamsplitters' entrance and exit faces feature a multi-layer anti-reflection (AR) coating for increased efficiency. Polarizing and non-polarizing coatings are available for these beamsplitters.

## Technical Information



Size (A)	10mm	20mm
Beam Separation	10mm	20mm

