

**TECHSPEC® 10mm, 632.8nm, Lateral Displacement Polarizing Beamsplitter**



Lateral Displacement Beamsplitters

Stock **#47-190** **1 In Stock**

⊖ 1 ⊕ C\$938<sup>00</sup>

**ADD TO CART**

Volume Pricing	
Qty 1-5	C\$938.00 each
Qty 6-25	C\$749.00 each
Qty 26-99	C\$684.60 each
Need More?	<a href="#">Request Quote</a>

Product Downloads

**General**

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

**Physical & Mechanical Properties**

80.00 **Clear Aperture (%):**

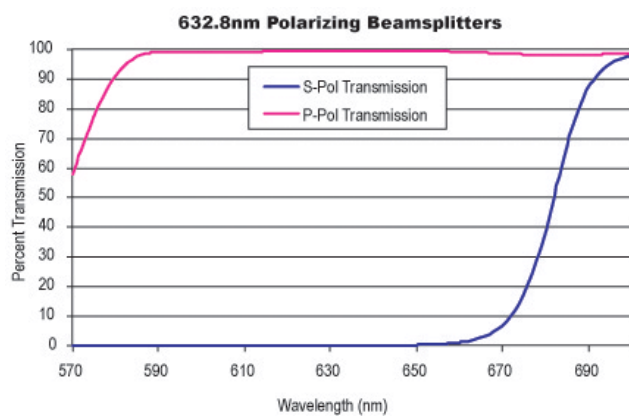
Prism	<b>Construction:</b>
±0.1	<b>Dimensional Tolerance (mm):</b>
<2	<b>Parallelism (arcmin):</b>
<b>Optical Properties</b>	
±5	<b>Angle Tolerance (arcsec):</b>
10.00	<b>Beam Separation (mm):</b>
R <sub>abs</sub> <0.3% @ 632.8nm	<b>Coating Specification:</b>
632.8	<b>Design Wavelength DWL (nm):</b>
>1000:1	<b>Extinction Ratio:</b>
>95	<b>P-Polarization Transmission (%):</b>
±10	<b>Reflection/Transmission Tolerance (%):</b>
>99	<b>S-Polarization Reflection (%):</b>
N-BK7	<b>Substrate:</b> <input type="checkbox"/>
λ/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 λ/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

