

**TECHSPEC® 5mm 632.8nm, Laser Line Polarizing Cube Beamsplitter**



TECHSPEC Laser Line Polarizing Cube Beamsplitters

Stock #47-776 **14 In Stock**

⊖ 1 ⊕ **\$361<sup>ea</sup>**

**ADD TO CART**

Volume Pricing	
Qty 1-5	<b>\$361.43</b> each
Qty 6-25	<b>\$292.73</b> each
Qty 26-99	<b>\$265.84</b> each
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**SPECIFICATIONS**

**General**

Linear Polarizer **Type:**

**Physical & Mechanical Properties**

Protective as needed	<b>Bevel:</b>
90.00	<b>Clear Aperture (%):</b>
Cube	<b>Construction:</b>
5.0 x 5.0 x 5.0 ±0.1	<b>Dimensions (mm):</b>
Optical Properties	
±3	<b>Beam Deviation (arcmin):</b>
$R_{\text{abs}} < 0.25\% @ 632.8\text{nm}$	<b>Coating Specification:</b>
632.8	<b>Design Wavelength DWL (nm):</b>
1000:1	<b>Extinction Ratio:</b>
>95	<b>P-Polarization Transmission (%):</b>
>99.5	<b>S-Polarization Reflection (%):</b>
<b>N-BK7</b>	<b>Substrate:</b> <input type="checkbox"/>
40-20	<b>Surface Quality:</b>
1.25	<b>Power (fringes) @ 632.8nm:</b>
0.25	<b>Irregularity (fringes) @ 632.8nm:</b>

Regulatory Compliance	
<b>Compliant</b>	<b>RoHS 2015:</b>
<b>Compliant</b>	<b>Reach 219:</b>
<b>View</b>	<b>Certificate of Conformance:</b>

## PRODUCT DETAILS

- Designed for Common Diode, Gas, and Solid State Lasers
- Reflects S-Polarized Light, Transmits P-Polarized Light
- High Extinction Ratio

TECHSPEC® Laser Line Polarizing Cube Beamsplitters split randomly polarized beams into two orthogonal, linearly polarized components. S-polarized light is reflected at a 90° angle, while P-polarized light is transmitted. The beamsplitters consist of a pair of precision [right angle prisms](#) cemented together to minimize transmitted wavefront distortion, and to provide excellent parallelism between incoming and transmitted beams. TECHSPEC® Laser Line Polarizing Cube Beamsplitters are designed for many common laser wavelengths and have a high extinction ratio. These beamsplitters are designed for common diode, gas, and solid-state laser applications.



## TECHNICAL INFORMATION

