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**TECHSPEC® 12.5mm 980nm, Laser Line Polarizing Cube Beamsplitter**



TECHSPEC Laser Line Polarizing Cube Beamsplitters

Stock **#48-881** CLEARANCE **17 In Stock**

⊖ 1 ⊕ **\$\$139<sup>93</sup>**

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**General**

Linear Polarizer **Type:**

**Physical & Mechanical Properties**

Protective as needed **Bevel:**

90.00 **Clear Aperture (%):**

Cube **Construction:**

12.5 x 12.5 x 12.5 ±0.1  
Dimensions (mm):

## Optical Properties

±3  
Beam Deviation (arcmin):

$R_{\text{abs}} < 0.25\%$  @ 980nm  
Coating Specification:

980  
Design Wavelength DWL (nm):

1000:1  
Extinction Ratio:

>90  
P-Polarization Transmission (%):

>99.5  
S-Polarization Reflection (%):

**N-BK7**  
Substrate:

40-20  
Surface Quality:

1.25  
Power (fringes) @ 632.8nm:

0.25  
Irregularity (fringes) @ 632.8nm:

## Regulatory Compliance

[View](#)  
Certificate of Conformance:

## 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

