

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



TECHSPEC Laser Line Polarizing Cube Beamsplitters

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

⊖ 1 ⊕ **A\$169⁰⁰**

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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

