

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



TECHSPEC Laser Line Polarizing Cube Beamsplitters

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

⊖ 1 ⊕ £79⁰⁰

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Qty 1+	£79.96 each
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General

Linear Polarizer **Type:**

Physical & Mechanical Properties

Protective as needed **Bevel:**

90.00 **Clear Aperture (%):**

Construction:

Cube

Dimensions (mm):

12.5 x 12.5 x 12.5 ±0.1

Optical Properties

Beam Deviation (arcmin):
±3

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

Design Wavelength DWL (nm):
980

Extinction Ratio:
1000:1

P-Polarization Transmission (%):
>90

S-Polarization Reflection (%):
>99.5

Substrate:
N-BK7

Surface Quality:
40-20

Power (fringes) @ 632.8nm:
1.25

Irregularity (fringes) @ 632.8nm:
0.25

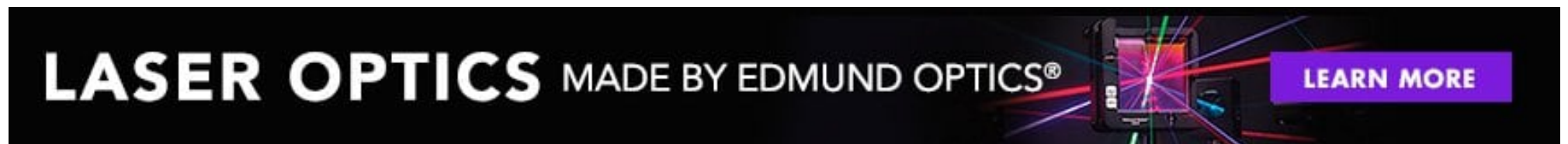
Regulatory Compliance

Certificate of Conformance:
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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

