

TECHSPEC® 50mm 850nm, Laser Line Polarizing Cube Beamsplitter



TECHSPEC Laser Line Polarizing Cube Beamsplitters

Stock #48-868 **5 In Stock**

⊖ 1 ⊕ A\$1,120⁰⁰

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Qty 1-5	A\$1,120.00 each
Qty 6-25	A\$912.00 each
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General

Linear Polarizer **Type:**

Physical & Mechanical Properties

Protective as needed **Bevel:**

90.00 **Clear Aperture (%):**

Cube **Construction:**

50.0 x 50.0 x 50.0 ±0.1 **Dimensions (mm):**

Optical Properties

±3 **Beam Deviation (arcmin):**

$R_{\text{abs}} < 0.25\%$ @ 850nm **Coating Specification:**

850 **Design Wavelength DWL (nm):**

1000:1 **Extinction Ratio:**

>95 **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

Compliant **RoHS 2015:**

Compliant **Reach 219:**

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

