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



TECHSPEC Laser Line Polarizing Cube Beamsplitters

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

⊖ 1 ⊕ €700<sup>00</sup>

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| Volume Pricing |                               |
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| Qty 1-5        | €700,00 each                  |
| Qty 6-25       | €570,00 each                  |
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**i** Prices shown are exclusive of VAT/local taxes

### Product Downloads

### General

Linear Polarizer **Type:**

### Physical & Mechanical Properties

Protective as needed **Bevel:**

**Clear Aperture (%):**

90.00

**Construction:**

Cube

**Dimensions (mm):**

50.0 x 50.0 x 50.0 ±0.1

**Optical Properties**

**Beam Deviation (arcmin):**

±3

**Coating Specification:**

R<sub>abs</sub> <0.25% @ 850nm

**Design Wavelength DWL (nm):**

850

**Extinction Ratio:**

1000:1

**P-Polarization Transmission (%):**

>95

**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**

**RoHS 2015:**

Compliant

**Reach 219:**

Compliant

**Certificate of Conformance:**

[View](#)

**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**

