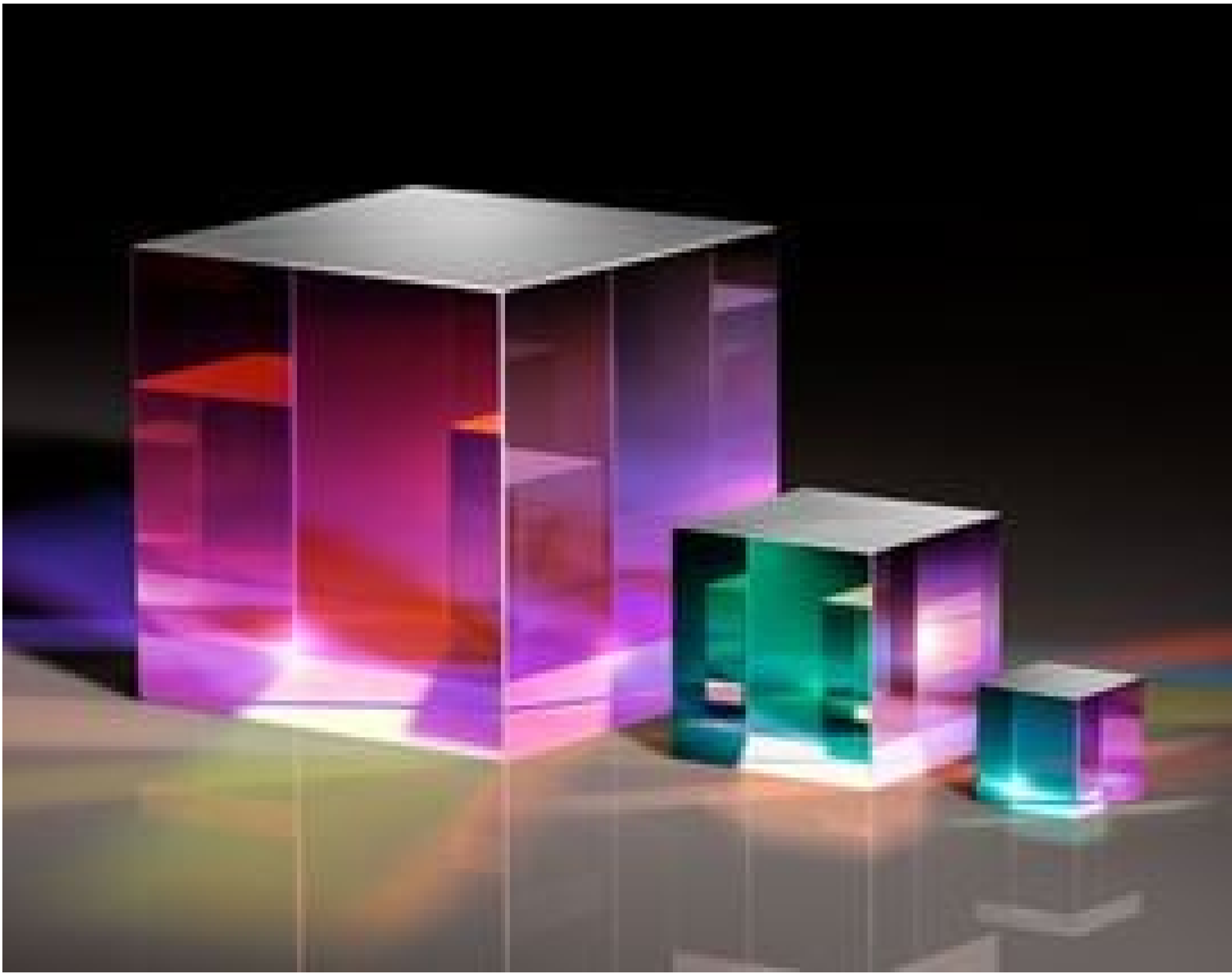
See all 41 Products in Family

TECHSPEC® 35mm 780nm, Laser Line Polarizing Cube Beamsplitter



TECHSPEC Laser Line Polarizing Cube Beamsplitters

Stock **#47-569** **10 In Stock**

- 1 + **€488**.00

ADD TO CART

Volume Pricing	
Qty 1-5	**€488,00** each
Qty 6-25	**€395,00** each
Qty 26-99	**€359,00** each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:

Linear Polarizer

Physical & Mechanical Properties

Bevel:

Protective as needed

Clear Aperture (%):

90.00

Construction:

Cube

Dimensions (mm):

35.0 x 35.0 x 35.0 ±0.1

Optical Properties

Beam Deviation (arcmin):

±3

Coating Specification:

R_{abs} <0.25% @ 780nm

Design Wavelength DWL (nm):

780

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

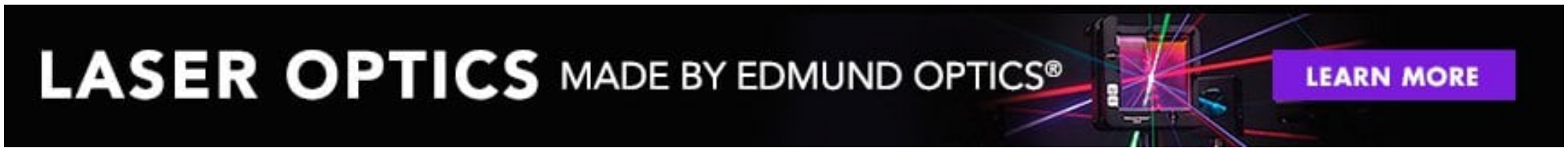
Certificate of Conformance:

View

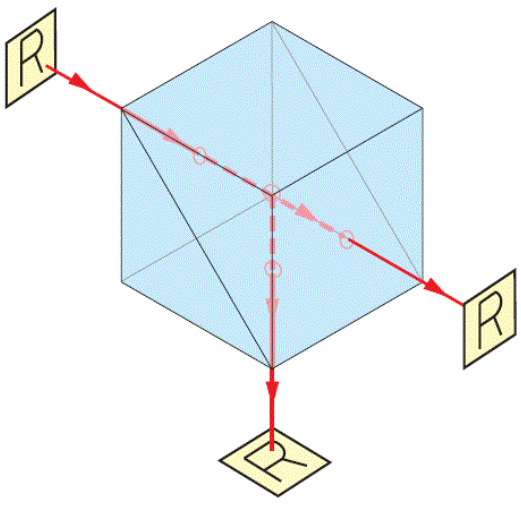
Product Details

- 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



;