

[See all 10 Products in Family](#)

**TECHSPEC® 50mm NIR, Polarizing Cube Beamsplitter**



TECHSPEC® Broadband Polarizing Cube Beamsplitters

Stock **#65-606** **8 In Stock**

⊖ 1 ⊕ €886.<sup>00</sup>

**ADD TO CART**

Volume Pricing	
Qty 1-5	€886,00 each
Qty 6-25	€709,00 each
Qty 26-99	€664,50 each
Need More?	<a href="#">Request Quote</a>

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

**General**

Linear Polarizer **Type:**

**Physical & Mechanical Properties**

90 **Clear Aperture (%):**

**Construction:**

Cube

**Dimensions (mm):**

50.0 x 50.0 x 50.0 ±0.1

**Optical Properties**

**Beam Deviation (arcmin):**

±3

**Coating Specification:**

R<sub>avg</sub> <0.5% @ 700 - 1100nm

**Extinction Ratio:**

500:1

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

>90

**S-Polarization Reflection (%):**

>99

**Substrate:** □

**N-SF11**

**Surface Quality:**

40-20

**Wavelength Range (nm):**

700 - 1100

**Power (fringes) @ 632.8nm:**

1.25

**Irregularity (fringes) @ 632.8nm:**

0.25

**Regulatory Compliance**

**Certificate of Conformance:**

[View](#)

## Custom

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

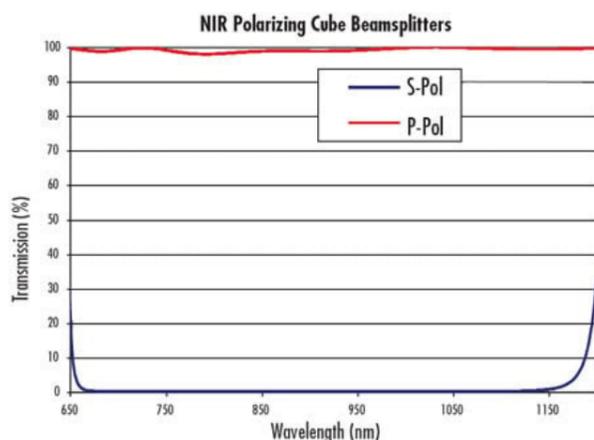
Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

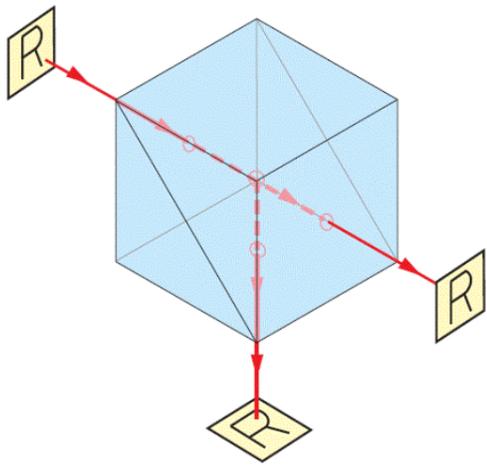
## Product Details

- Visible and NIR Coating Options Offered
- 500:1 Extinction Ratio
- AR Coated for <0.5% reflection per surface

TECHSPEC® Broadband Polarizing Cube Beamsplitters split randomly polarized light into two orthogonal, linearly polarized components. These beamsplitters offer transmission greater than 90% for P-polarized light and reflection greater than 99% for S-Polarized light across the entire design wavelength range. Each beamsplitter consists of a pair of precision high tolerance [right angle prisms](#) cemented together with a dielectric coating on the hypotenuse of one of the prisms. TECHSPEC® Broadband Polarizing Cube Beamsplitters have an anti-reflection (AR) coating applied to each face of the beamsplitter to achieve less than 0.5% reflection per surface. The beamsplitters are offered with both visible and NIR coatings.

## Technical Information





---

;