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TECHSPEC® 20mm NIR, Polarizing Cube Beamsplitter

TECHSPEC® Broadband Polarizing Cube Beamsplitters

Stock **#49-871** **10 In Stock**

- 1 + **S$427.00**

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Volume Pricing	
Qty 1-5	**S$427.00** each
Qty 6-25	**S$341.60** each
Qty 26-99	**S$320.25** each
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Product Downloads

General

Type:
Linear Polarizer

Physical & Mechanical Properties

Clear Aperture (%):
90

Construction:
Cube

Dimensions (mm):
20.0 x 20.0 x 20.0 ±0.1

Optical Properties

Beam Deviation (arcmin):
±3

Coating Specification:
R_{avg} <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

RoHS 2015:
Compliant

Certificate of Conformance:
View

Reach 247:
Compliant

Need different specs or modifications?

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

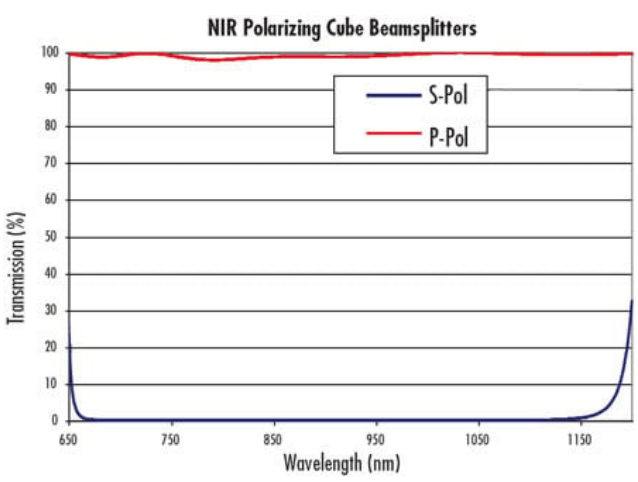
Learn more about our custom manufacturing capabilities or submit an inquiry here.

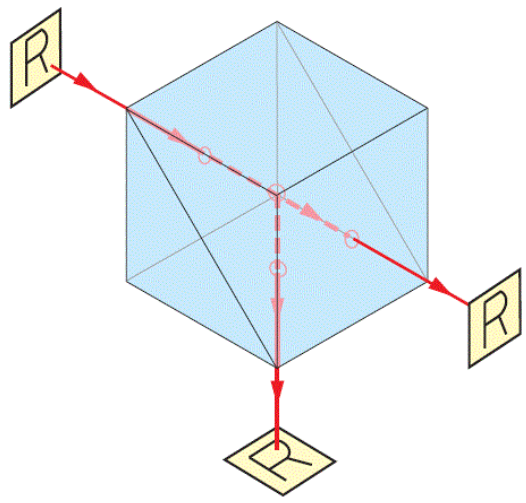
Product Details

- 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

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