

**TECHSPEC® 10mm NIR, 50R/50T, Non-Polarizing Cube Beamsplitter**



Stock #47-123 **20+ In Stock**

- 1 + C\$352.<sup>00</sup>

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Volume Pricing	
Qty 1-5	C\$352.80 each
Qty 6-25	C\$282.80 each
Qty 26-99	C\$264.60 each
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Product Downloads

**General**

Non-Polarizing Beamsplitter **Type:**

**Physical & Mechanical Properties**

Protective as needed **Bevel:**

>90 **Clear Aperture (%):**

Cube **Construction:**

10.0 x 10.0 x 10.0 ±0.1 **Dimensions (mm):**

## Optical Properties

≤2 **Beam Deviation (arcmin):**

NIR **Coating:**

$R_{avg} < 0.5\%$  @ 720 - 1080nm **Coating Specification:**

50/50 **Reflection/Transmission Ratio (R/T):**

N-BK7 **Substrate:**

40-20 **Surface Quality:**

720 - 1080 **Wavelength Range (nm):**

<6% **|Ts-Tp|:**

45 ±10 **Absolute Transmission (%):**

45 ±5 **Average Transmission (%):**

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

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

## Regulatory Compliance

Compliant **RoHS 2015:**

View **Certificate of Conformance:**

Compliant **REACH 241:**

## 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

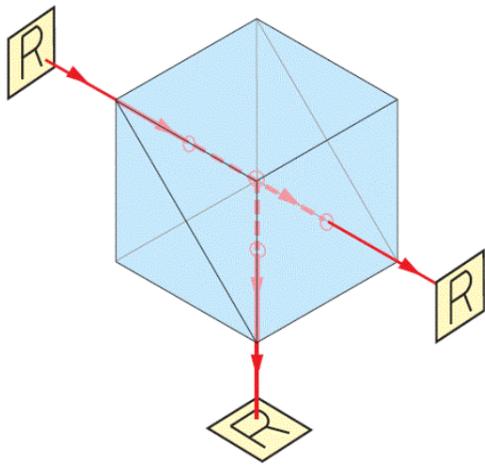
Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

## Product Details

- Low Polarization Dependence: |Ts-Tp|<6%
- Constructed from High Tolerance Right Angle Prisms
- BBAR Coated Faces for Maximum Efficiency
- C-Mounted Visible and NIR [Cube Beamsplitters](#) Also Available

TECHSPEC® Broadband Non-Polarizing Cube Beamsplitters consist of a pair of precision high tolerance [right angle prisms](#) cemented together with a metallic dielectric coating on the hypotenuse of one of the prisms. The low polarization dependence of the metallic dielectric hybrid coating allows the transmission and reflection of S- and P-polarization states to be within 6% of each other. These beamsplitters feature anti-reflection (AR) coatings to maximize transmission across wavelengths ranging from 400-1620nm. TECHSPEC® Broadband Non-Polarizing Cube Beamsplitters are spectrally flat across their specified wavelength ranges, reducing effects caused by changes in the angle of incidence or converging/diverging beams. These beamsplitters are ideal for applications that require splitting of light, such as interferometers and polarimeters.

## Technical Information



### NIR Non-Polarizing Beamsplitters

