

TECHSPEC® 5mm NIR, 50R/50T, Non-Polarizing Cube Beamsplitter



Stock **#47-010** **20+ In Stock**

⊖ 1 ⊕ ₹19,350

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Volume Pricing	
Qty 1-5	₹19,350 each
Qty 6-25	₹15,660 each
Qty 26-99	₹14,310 each
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General

Non-Polarizing Beamsplitter **Type:**

Physical & Mechanical Properties

Protective as needed **Bevel:**

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

Cube **Construction:**

5.0 x 5.0 x 5.0 ± 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:**

Singapore **Country of Origin:**

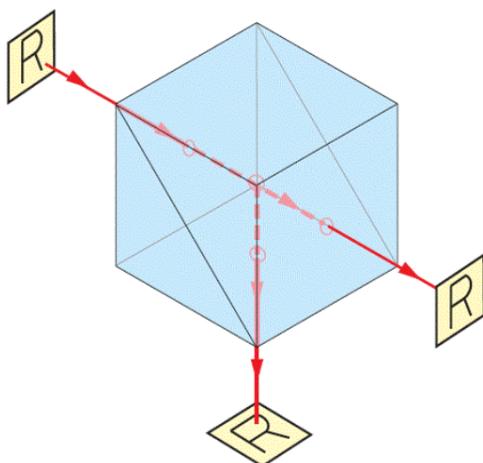
Edmund Optics India Private Limited **Imported By:**

Product Details

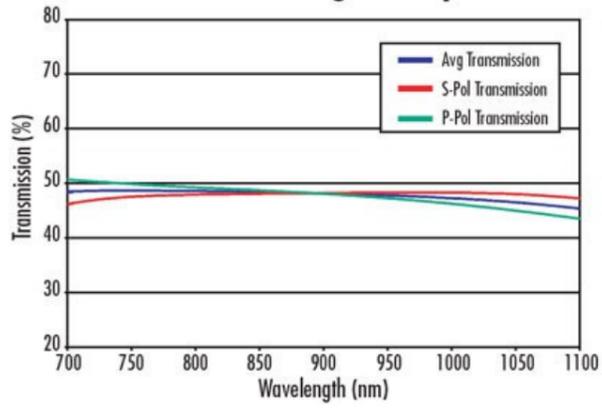
- Low Polarization Dependence: $|T_s - T_p| < 6\%$
- Constructed from High Tolerance Right Angle Prisms
- BBAR Coated Faces for Maximum Efficiency
- C-Mounted Visible and NIR **Cube Beamsplitters** Also Available

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



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](#).
