

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



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

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+

C\$319<sup>.20</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | C\$319.20 each                |
| Qty 6-25       | C\$254.80 each                |
| Qty 26-99      | C\$239.40 each                |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

| General                          |                     |
|----------------------------------|---------------------|
| Non-Polarizing Beamsplitter      | Type:               |
| Physical & Mechanical Properties |                     |
| Protective as needed             | Bevel:              |
| >90                              | Clear Aperture (%): |

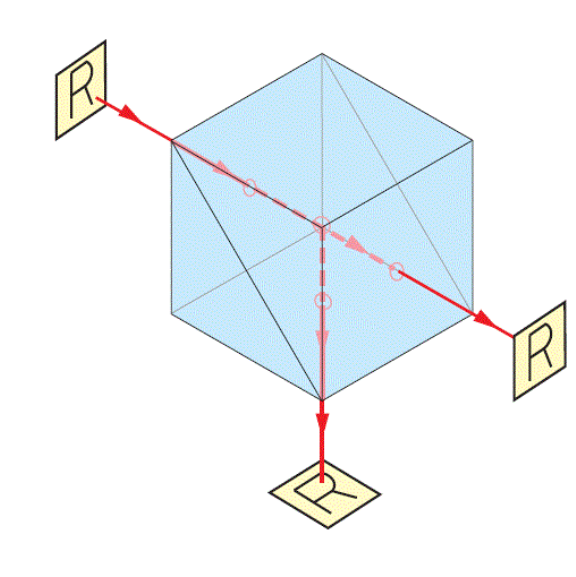
|                                       |                                      |
|---------------------------------------|--------------------------------------|
| Cube                                  | Construction:                        |
| 5.0 x 5.0 x 5.0 ±0.1                  | Dimensions (mm):                     |
| Optical Properties                    |                                      |
| ≤2                                    | Beam Deviation (arcmin):             |
| NIR                                   | Coating:                             |
| R <sub>avg</sub> <0.5% @ 720 - 1080nm | Coating Specification:               |
| 50/50                                 | Reflection/Transmission Ratio (R/T): |
| N-BK7                                 | Substrate: <input type="checkbox"/>  |
| 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:                           |

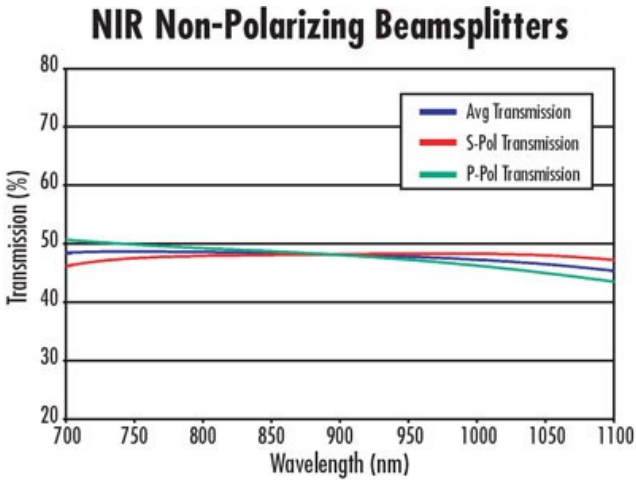
## Product Details

- 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





## 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](#).

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