

TECHSPEC<sup>®</sup> 10mm NIR, Polarizing Cube Beamsplitter



TECHSPEC<sup>®</sup> Broadband Polarizing Cube Beamsplitters

Stock **#49-870** 20+ In Stock

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1

+

C\$413<sup>00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | C\$413.00 each                |
| Qty 6-25       | C\$330.40 each                |
| Qty 26-99      | C\$309.75 each                |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

| General                          |                     |
|----------------------------------|---------------------|
| Linear Polarizer                 | Type:               |
| Physical & Mechanical Properties |                     |
| 90                               | Clear Aperture (%): |
| Cube                             | Construction:       |

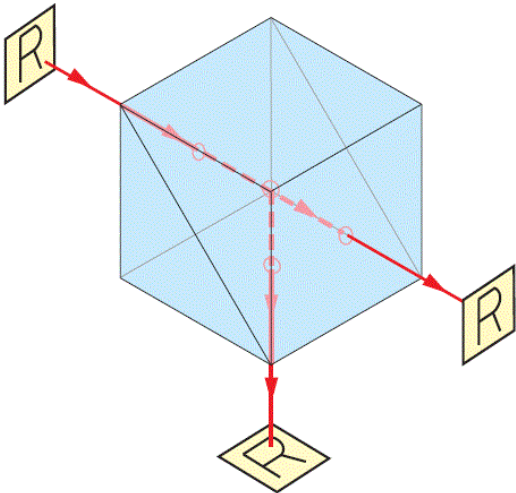
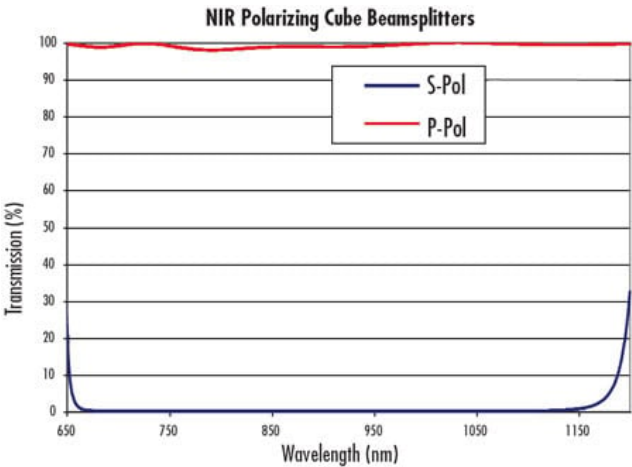
|                                       |                                     |
|---------------------------------------|-------------------------------------|
| 10.0 x 10.0 x 10.0 ±0.1               | Dimensions (mm):                    |
| Optical Properties                    |                                     |
| ±3                                    | Beam Deviation (arcmin):            |
| ±3                                    |                                     |
| R <sub>avg</sub> <0.5% @ 700 - 1100nm | Coating Specification:              |
|                                       |                                     |
| 500:1                                 | Extinction Ratio:                   |
| >90                                   | P-Polarization Transmission (%):    |
|                                       |                                     |
| >99                                   | S-Polarization Reflection (%):      |
|                                       |                                     |
| N-SF11                                | Substrate: <input type="checkbox"/> |
|                                       |                                     |
| 40-20                                 | Surface Quality:                    |
|                                       |                                     |
| 700 - 1100                            | Wavelength Range (nm):              |
|                                       |                                     |
| 1.25                                  | Power (fringes) @ 632.8nm:          |
|                                       |                                     |
| 0.25                                  | Irregularity (fringes) @ 632.8nm:   |
|                                       |                                     |
| Regulatory Compliance                 |                                     |
|                                       |                                     |
| View                                  | Certificate of Conformance:         |
|                                       |                                     |

## 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



## 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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