

TECHSPEC<sup>®</sup> 10mm NIR, Lateral Displacement Non-Polarized Beamsplitter



Lateral Displacement Beamsplitters

Stock **#47-540** 8 In Stock

-

1

+

₹55,350

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | ₹55,350 each                  |
| Qty 6-25       | ₹44,190 each                  |
| Qty 26-99      | ₹40,410 each                  |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

General

Type:

Non-Polarizing Beamsplitter

Type of Optics:

Non-Polarizing

Physical & Mechanical Properties

Clear Aperture (%):

80.00

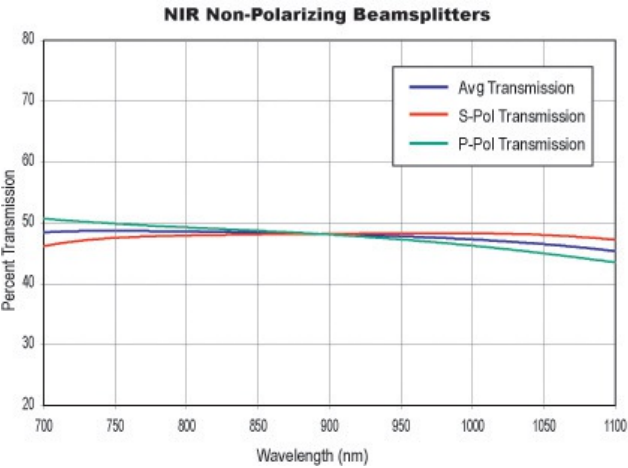
|                                       |                                     |
|---------------------------------------|-------------------------------------|
| Prism                                 | Construction:                       |
| ±0.1                                  | Dimensional Tolerance (mm):         |
| <2                                    | Parallelism (arcmin):               |
| Optical Properties                    |                                     |
| ±5                                    | Angle Tolerance (arcsec):           |
| 10.00                                 | Beam Separation (mm):               |
| R <sub>avg</sub> <0.5% @ 720 - 1080nm | Coating Specification:              |
| T <sub>p</sub> - T <sub>s</sub>   <6% | Extinction Ratio:                   |
| 45.00                                 | P-Polarization Transmission (%):    |
| 45.00                                 | S-Polarization Reflection (%):      |
| N-BK7                                 | Substrate: <input type="checkbox"/> |
| λ/8                                   | Surface Flatness (P-V):             |
| 40-20                                 | Surface Quality:                    |
| 720 - 1080                            | Wavelength Range (nm):              |
| Regulatory Compliance                 |                                     |
| View                                  | Certificate of Conformance:         |
| Singapore                             | Country of Origin:                  |
| Edmund Optics India Private Limited   | Imported By:                        |

## Product Details

- Visible and NIR Coating Options Offered
- Simplifies Benchtop Layout
- Split Incident Beam into Two Displaced Parallel Beams

TECHSPEC® Lateral Displacement Beamsplitters output two parallel beams separated by a fixed distance. The beamsplitters consist of a precision **rhomboid prism** cemented to a λ/8 **right angle prism**. The high tolerance design ensures the exiting beams are parallel to within 2 arcmin. TECHSPEC® Lateral Displacement Beamsplitters' entrance and exit faces feature a multi-layer anti-reflection (AR) coating for increased efficiency. Polarizing and non-polarizing coatings are available for these beamsplitters.

## Technical Information



|                 |      |      |
|-----------------|------|------|
|                 |      |      |
| Size (A)        | 10mm | 20mm |
| Beam Separation | 10mm | 20mm |

