

TECHSPEC® 20mm NIR, Lateral Displacement Non-Polarized Beamsplitter



Lateral Displacement Beamsplitters

Stock **#47-541** **3 In Stock**

A\$1,280⁰⁰

ADD TO CART

| Volume Pricing | |
|----------------|-------------------------------|
| Qty 1-5 | A\$1,280.00 each |
| Qty 6-25 | A\$1,016.00 each |
| Qty 26-99 | A\$944.00 each |
| Need More? | Request Quote |

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): |
| 20.00 | Beam Separation (mm): |
| $R_{avg} < 0.5\%$ @ 720 - 1080nm | Coating Specification: |
| $ T_p - T_s < 6\%$ | Extinction Ratio: |
| 45.00 | P-Polarization Transmission (%): |
| 45.00 | S-Polarization Reflection (%): |
| N-BK7 | Substrate: <input type="checkbox"/> |
| $\lambda/8$ | Surface Flatness (P-V): |
| 40-20 | Surface Quality: |
| 720 - 1080 | Wavelength Range (nm): |

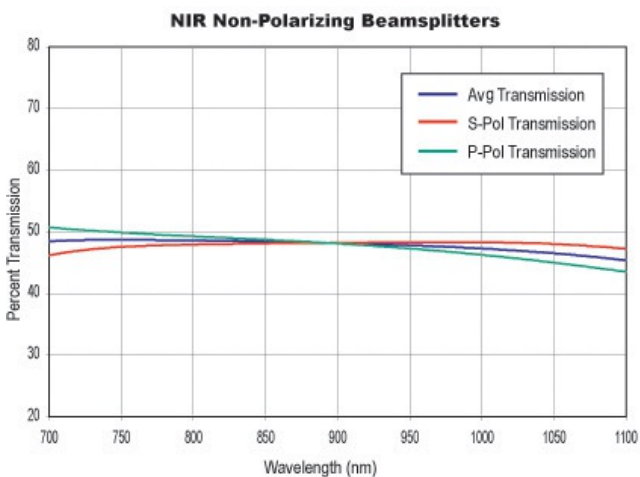
| | |
|------------------------------|------------------------------------|
| Regulatory Compliance | |
| Compliant | RoHS 2015: |
| Compliant | Reach 224: |
| View | Certificate of Conformance: |

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 $\lambda/8$ [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 |

