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**TECHSPEC® 20mm VIS, Lateral Displacement Non-Polarized Beamsplitter**



Lateral Displacement Beamsplitters

Stock #47-189 **20+ In Stock**

⊖ 1 ⊕ A\$1,280<sup>00</sup>

**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?     | <a href="#">Request Quote</a> |

Product Downloads

**General**

Non-Polarizing Beamsplitter **Type:**  
Non-Polarizing **Type of Optics:**

**Physical & Mechanical Properties**

80.00 **Clear Aperture (%):**

|                                 |   |
|---------------------------------|---|
| Prism                           | <b>Construction:</b>                          |
| ±0.1                            | <b>Dimensional Tolerance (mm):</b>            |
| <2                              | <b>Parallelism (arcmin):</b>                  |
| <b>Optical Properties</b>       |   |
| ±5                              | <b>Angle Tolerance (arcsec):</b>              |
| 20.00                           | <b>Beam Separation (mm):</b>                  |
| $R_{avg} < 0.5\%$ @ 430 - 670nm | <b>Coating Specification:</b>                 |
| $ T_p - T_s  < 6\%$             | <b>Extinction Ratio:</b>                      |
| 45.00                           | <b>P-Polarization Transmission (%):</b>       |
| ±10                             | <b>Reflection/Transmission Tolerance (%):</b> |
| 45.00                           | <b>S-Polarization Reflection (%):</b>         |
| <a href="#">N-BK7</a>           | <b>Substrate:</b> <input type="checkbox"/>    |
| λ/8                             | <b>Surface Flatness (P-V):</b>                |
| 40-20                           | <b>Surface Quality:</b>                       |
| 430 - 670                       | <b>Wavelength Range (nm):</b>                 |

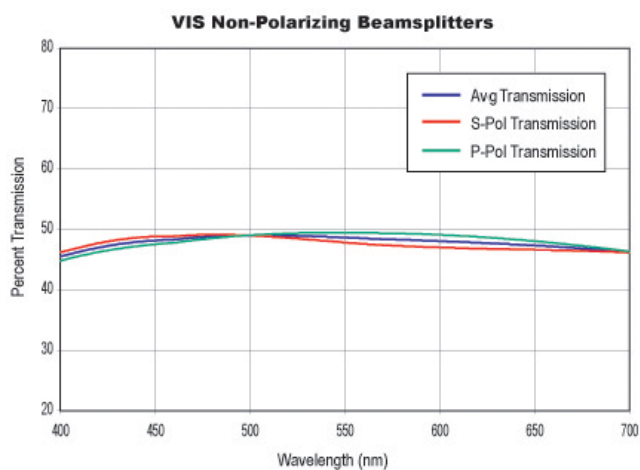
|                              |                                    |
|------------------------------|------------------------------------|
| <b>Regulatory Compliance</b> |                                    |
| <a href="#">View</a>         | <b>Certificate of Conformance:</b> |

## 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 |