

**TECHSPEC® 10mm NIR, Lateral Displacement Non-Polarized Beamsplitter**



Lateral Displacement Beamsplitters

Stock **#47-540** **10 In Stock**

⊖ 1 ⊕ €670<sup>00</sup>

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Volume Pricing	
Qty 1-5	€670,00 each
Qty 6-25	€535,00 each
Qty 26-99	€489,00 each
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

**General**

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

**Physical & Mechanical Properties**

Clear Aperture (%):

80.00

**Construction:**

Prism

**Dimensional Tolerance (mm):**

±0.1

**Parallelism (arcmin):**

<2

**Optical Properties**

**Angle Tolerance (arcsec):**

±5

**Beam Separation (mm):**

10.00

**Coating Specification:**

R<sub>avg</sub> <0.5% @ 720 - 1080nm

**Extinction Ratio:**

|T<sub>p</sub> - T<sub>s</sub>| <6%

**P-Polarization Transmission (%):**

45.00

**S-Polarization Reflection (%):**

45.00

**Substrate:**

**N-BK7**

**Surface Flatness (P-V):**

λ/8

**Surface Quality:**

40-20

**Wavelength Range (nm):**

720 - 1080

**Regulatory Compliance**

**Certificate of Conformance:**

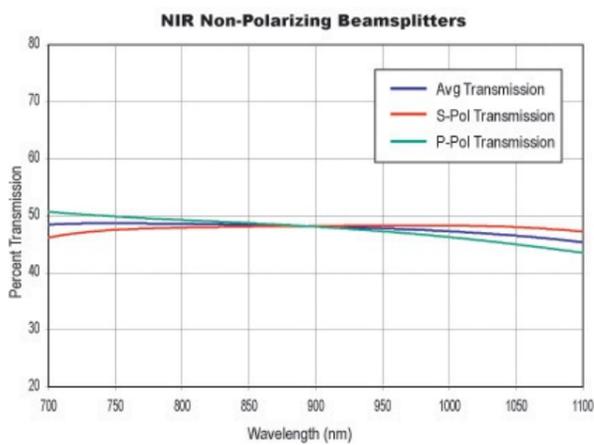
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## Product Details

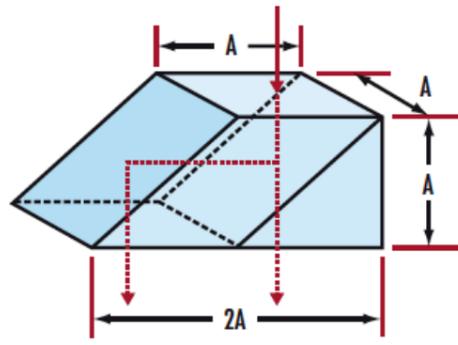
- Visible and NIR Coating Options Offered
- Simplifies Benchtop Layout
- Split Incident Beam into Two Displaced Parallel Beams

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



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