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



Lateral Displacement Beamsplitters

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

⊖ 1 ⊕ £640.⁰⁰

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Volume Pricing	
Qty 1-5	£640.00 each
Qty 6-25	£508.00 each
Qty 26-99	£472.00 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):

20.00

Coating Specification:

R_{avg} <0.5% @430 - 670nm

Extinction Ratio:

|T_p - T_s| <6%

P-Polarization Transmission (%):

45.00

Reflection/Transmission Tolerance (%):

±10

S-Polarization Reflection (%):

45.00

Substrate:

N-BK7

Surface Flatness (P-V):

λ/8

Surface Quality:

40-20

Wavelength Range (nm):

430 - 670

Regulatory Compliance

Certificate of Conformance:

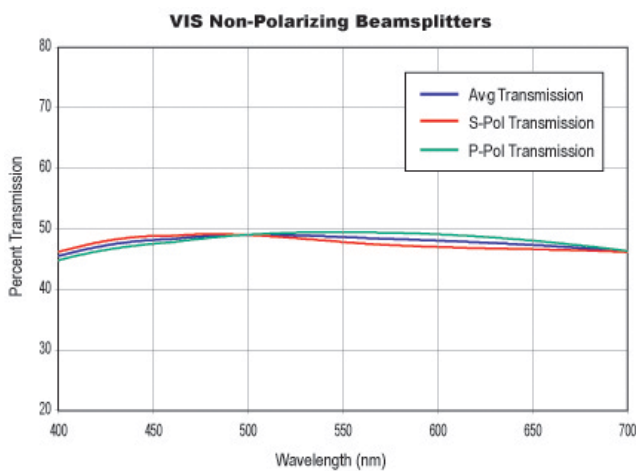
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Product Details

- 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