TECHSPEC® 10mm VIS, Lateral Displacement Non-Polarized Beamsplitter

Lateral Displacement Beamsplitters

Stock **#47-188** **20+ In Stock**

- 1 + C$912.66

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Volume Pricing	
Qty 1-5	**C$912.66** each
Qty 6-25	**C$728.64** each
Qty 26-99	**C$666.32** each
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SPECIFICATIONS

General

Type:

Non-Polarizing Beamsplitter

Type of Optics:

Non-Polarizing

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_{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

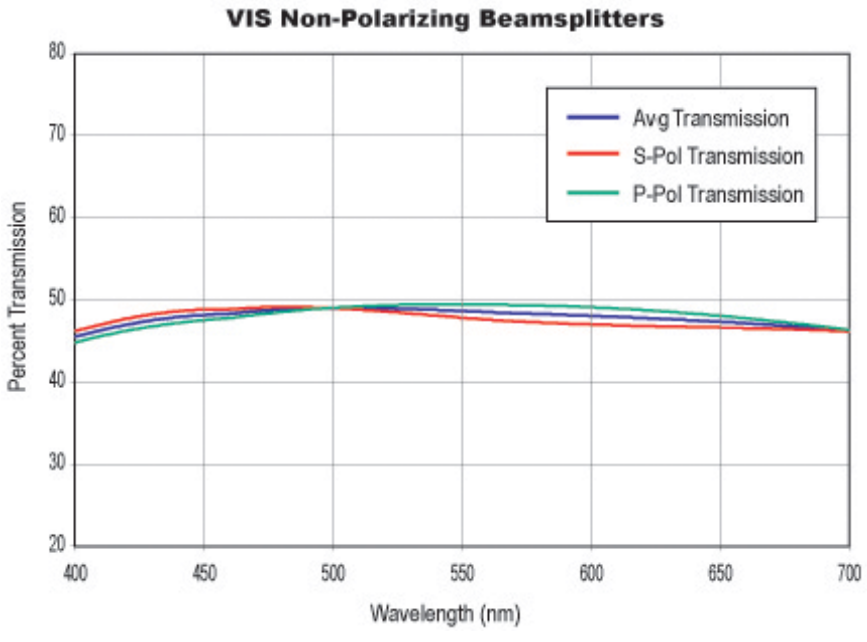
Certificate of Conformance:
View

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