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TECHSPEC®

20mm, 632.8nm, Lateral Displacement Polarizing Beamsplitter



Lateral Displacement Beamsplitters

Stock **#47-191** 1 In Stock

-

1

+

£640<sup>00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | £640.00 each                  |
| Qty 6-25       | £508.00 each                  |
| Qty 26-99      | £472.00 each                  |
| Need More?     | <a href="#">Request Quote</a> |

**i** Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:

Linear Polarizer

Type of Optics:

Polarizing

Physical & Mechanical Properties

Clear Aperture (%):

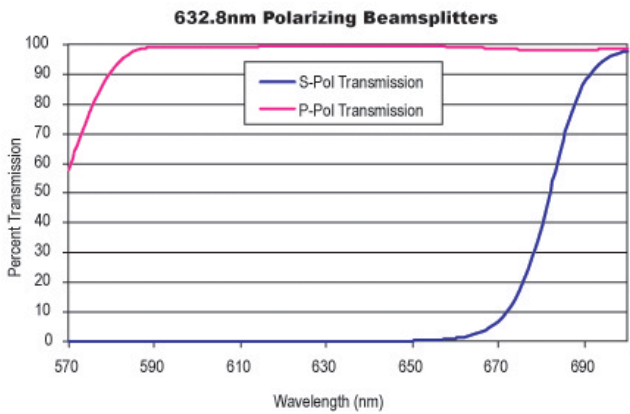
|                                  |                                     |
|----------------------------------|-------------------------------------|
| 80.00                            |                                     |
| Prism                            | Construction:                       |
|                                  |                                     |
| ±0.1                             | Dimensional Tolerance (mm):         |
| <2                               | Parallelism (arcmin):               |
| Optical Properties               |                                     |
| ±5                               | Angle Tolerance (arcsec):           |
| 20.00                            | Beam Separation (mm):               |
|                                  |                                     |
| R <sub>abs</sub> <0.3% @ 632.8nm | Coating Specification:              |
| 632.8                            | Design Wavelength DWL (nm):         |
|                                  |                                     |
| >1000:1                          | Extinction Ratio:                   |
| >95                              | P-Polarization Transmission (%):    |
|                                  |                                     |
| >99                              | S-Polarization Reflection (%):      |
|                                  |                                     |
| N-BK7                            | Substrate: <input type="checkbox"/> |
|                                  |                                     |
| λ/8                              | Surface Flatness (P-V):             |
|                                  |                                     |
| 40-20                            | Surface Quality:                    |
|                                  |                                     |
| Regulatory Compliance            |                                     |
|                                  |                                     |
| View                             | Certificate of Conformance:         |
|                                  |                                     |

## Product Details

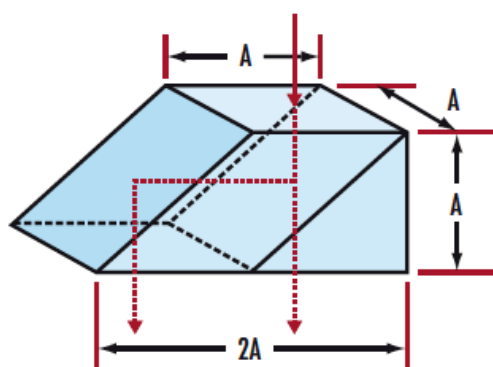
- Visible and NIR Coating Options Offered
- Simplifies Benchtop Layout
- Split Incident Beam into Two Displaced Parallel Beams

TECHSPEC® Lateral Displacement Beamsplitters output two parallel beams separated by a fixed distance. The beamsplitters consist of a precision **rhomboid prism** cemented to a *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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