

**TECHSPEC® 12.5mm Aluminum & UV-VIS, Ultra Precision UV Fused Silica Right Angle Prism**



Stock #39-842 3-4 DAYS

- 1 + **£251.60**

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Qty 1-5

£251.60

Qty 6+

£226.44

Volume Pricing

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Angle Tolerance (arcsec):  
±15

Coating:  
UV-VIS & Aluminized

Substrate: ☐  
[Fused Silica](#) (Corning 7980)

|                                                                                                                                                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Surface Quality:</b><br>20-10                                                                                                                                                                                             |
| <b>Type:</b><br>Right Angle Prism                                                                                                                                                                                            |
| <b>Dimensional Tolerance (mm):</b><br>+0.00/-0.10                                                                                                                                                                            |
| <b>Bevel:</b><br>Protective bevel as needed                                                                                                                                                                                  |
| <b>Clear Aperture (%):</b><br>90                                                                                                                                                                                             |
| <b>Length of Hypotenuse (mm):</b><br>17.70                                                                                                                                                                                   |
| <b>Length of Legs (mm):</b><br>12.50                                                                                                                                                                                         |
| <b>Pyramid Tolerance (arcmin):</b><br>±1                                                                                                                                                                                     |
| <b>Image Orientation:</b><br>Left-Handed                                                                                                                                                                                     |
| <b>Coating Specification:</b><br>Legs: R <sub>abs</sub> ≤1.0% @ 350 - 450nm, R <sub>avg</sub> ≤1.5% @ 250 - 700nm<br>Hypotenuse: R <sub>avg</sub> >85% @ 400 - 700nm, R <sub>avg</sub> >90% @ 400 - 2000nm w/Black Overpaint |
| <b>Wavelength Range (nm):</b><br>250 - 700                                                                                                                                                                                   |
| <b>Surface Flatness (P-V):</b><br>λ/20                                                                                                                                                                                       |
| <b>Damage Threshold, By Design:</b> ☐<br>Hypotenuse: 0.3 J/cm <sup>2</sup> @ 532 & 1064nm, 10ns<br>Legs: 3 J/cm <sup>2</sup> @ 355nm, 10ns; 5 J/cm <sup>2</sup> @ 532nm, 10ns                                                |

Regulatory Compliance

|                                                            |
|------------------------------------------------------------|
| <b>RoHS 2015:</b><br><a href="#">Compliant</a>             |
| <b>Certificate of Conformance:</b><br><a href="#">View</a> |
| <b>Reach 235:</b><br><a href="#">Compliant</a>             |