

TECHSPEC<sup>®</sup> 12.7mm Dia., 715 - 980nm, 90R:10T, Ultrafast Beamsplitter



TECHSPEC<sup>®</sup> Ultrafast Beamsplitters

Stock #13-829 3-4 DAYS

-

1

+

£188.70

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Qty 1-4

£188.70

Qty 5+

£167.45

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Angle of Incidence (°):  
45

Diameter (mm):  
12.70 +0.00/-0.10

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

|                                                                                                                                                                                                                                                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Surface Quality:</b><br>10-5                                                                                                                                                                                                                                 |
| <b>Thickness (mm):</b><br>3.00 ±0.10                                                                                                                                                                                                                            |
| <b>Type:</b><br>Ultrafast Non-Polarizing Beamsplitter                                                                                                                                                                                                           |
| <b>Clear Aperture (%):</b><br>80                                                                                                                                                                                                                                |
| <b>Parallelism (arcsec):</b><br><10                                                                                                                                                                                                                             |
| <b>Reflection/Transmission Ratio (R/T):</b><br>90/10                                                                                                                                                                                                            |
| <b>Coating Specification:</b><br>Surface 1:<br>R <sub>avg</sub> = 90±3% @ 715 - 980nm<br>R <sub>p</sub> = 83±3% @ 715 - 980nm<br>R <sub>s</sub> = 97±3% @ 715 - 980nm<br>Surface 2:<br>R <sub>s</sub> <2% @ 650 - 1100nm<br>R <sub>p</sub> <1.5% @ 650 - 1100nm |
| <b>Wavelength Range (nm):</b><br>715 - 980                                                                                                                                                                                                                      |
| <b>GDD Specification:</b><br>Transmission: ±65 fs <sup>2</sup> @ 715 - 980nm<br>Reflectivity: ±75 fs <sup>2</sup> @ 715 - 980nm                                                                                                                                 |
| <b>Transmitted Wavefront Distortion:</b><br>λ/8 @ 632.8nm                                                                                                                                                                                                       |
| <b>Reflected Wavefront Distortion:</b><br>λ/3 @ 632.8nm                                                                                                                                                                                                         |

Regulatory Compliance

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