

**TECHSPEC® 12.7mm Dia., 650 - 1050nm, 50R:50T, Ultrafast Beamsplitter**



TECHSPEC® Ultrafast Beamsplitters

Stock **#13-833** 3-4 DAYS

⊖ 1 ⊕ **£188.70**

ADD TO CART

Qty 1-4

£188.70

Qty 5+

£167.45

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⚠ Prices shown are exclusive of VAT/local taxes

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**Angle of Incidence (°):**  
45

**Diameter (mm):**  
12.70 +0.00/-0.10

**Substrate:** ☐  
[Fused Silica](#) (Corning 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>50/50                                                                                                                                                                                                               |
| <b>Coating Specification:</b><br>Surface 1:<br>R <sub>avg</sub> = 50±3% @ 650 - 1050nm<br>R <sub>p</sub> = 35±3% @ 650 - 1050nm<br>R <sub>s</sub> = 67±3% @ 650 - 1050nm<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>650 - 1050                                                                                                                                                                                                                        |
| <b>GDD Specification:</b><br>Transmission: ±15 fs <sup>2</sup> @ 650 - 1100nm<br>Reflectivity: ±15 fs <sup>2</sup> @ 650 - 1100nm                                                                                                                                  |
| <b>Transmitted Wavefront Distortion:</b><br>λ/8 @ 632.8nm                                                                                                                                                                                                          |
| <b>Reflected Wavefront Distortion:</b><br><λ/6 @ 632.8nm                                                                                                                                                                                                           |

Regulatory Compliance

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