

TECHSPEC®

500 - 530nm, 25.4mm Dia., Ultrafast Mirror



Stock #12-834 

3-4 DAYS

-

1

+

£181.05

ADD TO CART

Qty 1-5

£181.05

Qty 6+

£160.65

Volume Pricing

[Request Quote](#)

Prices shown are exclusive of VAT/local taxes

Get Product Downloads



Surface Quality:

20-10

Type:

Laser Mirror

Typical Applications:

Yb:doped Lasers 2nd Harmonic

|                                                                                                                                                                                                                                                                                                                                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Parallelism (arcmin):</b><br><3                                                                                                                                                                                                                                                                                                           |
| <b>Clear Aperture (%):</b><br>>90                                                                                                                                                                                                                                                                                                            |
| <b>Back Surface:</b><br>Commercial Polish                                                                                                                                                                                                                                                                                                    |
| <b>Coating Specification:</b><br>R <sub>s</sub> >99.75% @ 500 - 530nm<br>R <sub>p</sub> >99.5% @ 500 - 530nm                                                                                                                                                                                                                                 |
| <b>GDD Specification:</b><br>0 ±20fs <sup>2</sup> @ 500 - 530nm (s-pol & p-pol)                                                                                                                                                                                                                                                              |
| <b>Wavelength Range (nm):</b><br>500 - 530                                                                                                                                                                                                                                                                                                   |
| <b>Surface Flatness (P-V):</b><br>λ/8                                                                                                                                                                                                                                                                                                        |
| <b>Coating Type:</b><br>Dielectric                                                                                                                                                                                                                                                                                                           |
| <b>Coating:</b><br>Ultrafast (500-530nm)                                                                                                                                                                                                                                                                                                     |
| <b>Design Wavelength DWL (nm):</b><br>515                                                                                                                                                                                                                                                                                                    |
| <b>Diameter (mm):</b><br>25.40 +0.00/-0.10                                                                                                                                                                                                                                                                                                   |
| <b>Thickness (mm):</b><br>6.35 ±0.20                                                                                                                                                                                                                                                                                                         |
| <b>Angle of Incidence (°):</b><br>45                                                                                                                                                                                                                                                                                                         |
| <b>Substrate:</b>  <a href="#">Fused Silica</a> (Corning 7980)                                                                                                                                                                                            |
| <b>Damage Threshold, By Design:</b> <br>0.17 J/cm <sup>2</sup> @ 515nm, 178fs, 1 pulse (typical)<br>0.15 J/cm <sup>2</sup> @ 515nm, 178fs, 10kHz, 1000 pulses (typical)<br>0.2 J/cm <sup>2</sup> @ 515 nm, 1 ps FWHM, 100 Hz, P-Polarization, 1000 pulses |

## Regulatory Compliance

|                                                            |
|------------------------------------------------------------|
| <b>RoHS 2015:</b><br><a href="#">Compliant</a>             |
| <b>Reach 205:</b><br><a href="#">Compliant</a>             |
| <b>Certificate of Conformance:</b><br><a href="#">View</a> |