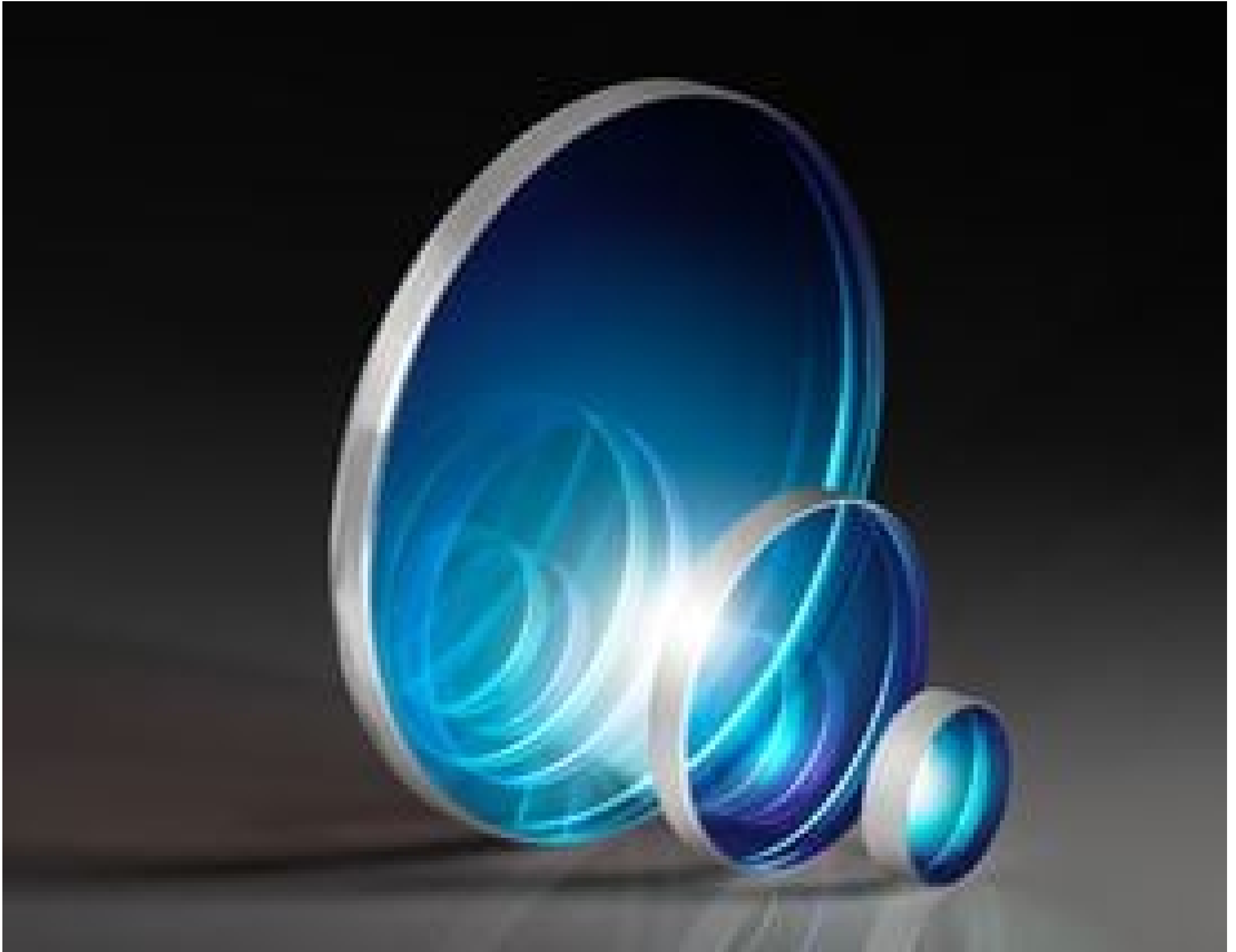


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## 25mm Dia., Low GDD 940/1030nm Yb-Doped Dichroic Mirrors



Yb-Doped Dichroic Mirrors

Stock #28-972 **2 In Stock**

⊖ 1 ⊕ £468.<sup>00</sup>

**ADD TO CART**

### Volume Pricing

Qty 1-5	£468.00 each
Qty 6-25	£397.60 each
Need More?	<a href="#">Request Quote</a>

ⓘ Prices shown are exclusive of VAT/local taxes

### Product Downloads

### General

High Power Dichroic Window **Type:**

### Physical & Mechanical Properties

3.00 ±0.20 **Thickness (mm):**

22.50 **Clear Aperture CA (mm):**

25.00 +0.0/-0.10	<b>Diameter (mm):</b>
Fine Ground	<b>Edges:</b>
30' ±10'	<b>Wedge Angle (arcmin):</b>
<b>Optical Properties</b>	
Fused Silica (Corning 7980)	<b>Substrate:</b> <input type="checkbox"/>
1.458	<b>Index of Refraction (n<sub>d</sub>):</b>
10-5	<b>Surface Quality:</b>
0 - 5	<b>Angle of Incidence (°):</b>
<b>Coating:</b> S1: HR 1030nm ± 5nm, AR 940 ± 5nm S2: AR 940nm & 1030nm ± 5nm	
940nm/1030nm	<b>Design Wavelength DWL (nm):</b>
λ/10	<b>Surface Flatness (P-V):</b>
<b>Coating Specification:</b> S1: R <sub>p</sub> & R <sub>s</sub> >99.5% @ 1030nm; T <sub>p</sub> & T <sub>s</sub> >98% @ 940nm @ 0 – 5° AOI S2: T <sub>p</sub> & T <sub>s</sub> >98% @ 940nm & 1030nm	
<b>Damage Threshold, Reference:</b> <input type="checkbox"/> > 20 J/cm <sup>2</sup> @ 10ns pulses @5 kHz PRF 1MW/cm <sup>2</sup> CW	
<b>Regulatory Compliance</b>	
<a href="#">View</a>	<b>Certificate of Conformance:</b>

## Product Details

- High Reflectivity at 1030nm and High Transmission at 940nm
- Low Group Delay Dispersion (GDD) <±100fs<sup>2</sup>
- Dichroic Mirror Ideal for Ytterbium (Yb) Lasers

Yb-Doped Dichroic Mirrors feature a high reflectivity of 99.5% at 1030nm and transmission of 98% at 940nm with wide acceptance angles of 0 – 5°. Featuring wedged substrates that minimize back reflections even at 0° AOI, these mirrors eliminate unwanted feedback in laser systems and are available in either 12.5, 25, or 50mm diameters with a thickness of 3mm. Designed for high power applications utilizing nanosecond pulses, these mirrors are ideal for precision material processing. Yb-Doped Dichroic Mirrors also offer a Low Group Delay Dispersion (GDD) of <±100fs<sup>2</sup> from 1030nm – 1080nm, making them useful for ultrafast and nonlinear applications including multi-photon microscopy.