

**TECHSPEC® 1060nm, 25.4mm Dia. x 6.35mm Thickness, Ultrafast Laser Mirror**



Stock #26-839 **20+ In Stock**

- 1 + £140.<sup>00</sup>

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Volume Pricing	
Qty 1-5	£140.08 each
Qty 6+	£131.33 each
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Product Downloads

### SPECIFICATIONS

#### General

Laser Mirror **Type:**

#### Physical & Mechanical Properties

25.40 +0.00/-0.10	<b>Diameter (mm):</b>
6.35 ±0.20	<b>Thickness (mm):</b>
<3	<b>Parallelism (arcmin):</b>
90	<b>Clear Aperture (%):</b>
Commercial Polish	<b>Back Surface:</b>

## Optical Properties

45	<b>Angle of Incidence (°):</b>
Ultrafast (1010-1110nm)	<b>Coating:</b>
1060	<b>Design Wavelength DWL (nm):</b>
<a href="#">Fused Silica</a> (Corning 7980)	<b>Substrate:</b> <input type="checkbox"/>
10-5	<b>Surface Quality:</b>
<b>Coating Specification:</b> R <sub>(avg)</sub> S & P >99.90% @ 1060nm @ 45° AOI R <sub>(avg)</sub> >99.7% @ 1010 - 1110nm @ 45° AOI	
1010 - 1110	<b>Wavelength Range (nm):</b>
λ/8	<b>Surface Flatness (P-V):</b>
Dielectric	<b>Coating Type:</b>
<b>GDD Specification:</b> ±10 fs <sup>2</sup> @ 1010 – 1110nm @ 45° AOI (s-pol) ±30 fs <sup>2</sup> @ 1030 – 1090nm @ 45° AOI (p-pol)	

## Environmental & Durability Factors

ML-PRF-13830B	<b>Durability:</b>
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## Regulatory Compliance

<a href="#">View</a>	<b>Certificate of Conformance:</b>
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## PRODUCT DETAILS

- GDD as Low as ±20fs<sup>2</sup> at Design Wavelength Range
- Greater than 99.9% Reflectivity
- Ideal for Ti:sapphire and Yb:doped Ultrafast Lasers

TECHSPEC® Low GDD Dielectric Ultrafast Laser Mirrors feature a multilayer dielectric coating on fused silica substrates for excellent reflectivity of greater than 99.9%, and low coefficient of thermal expansion, making them ideal for ultrafast beam transport applications. These mirrors have a group delay dispersion (GDD) of near zero at their design wavelength range, minimizing dispersion of the reflected beam. TECHSPEC® Low GDD Dielectric Ultrafast Laser Mirrors are ideal for utilizing the first and second harmonic of Ti:sapphire and Yb:doped lasers for applications such as laser machining and welding.

**Note:** Please [contact us](#) if your application requires a TECHSPEC Low GDD Ultrafast Mirror with a custom wavelength, angle, or size.

## CUSTOM

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).