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**TECHSPEC® 1000 - 1060nm, 12.7mm Dia., Ultrafast Mirror**



Stock #14-845 **20+ In Stock**

- 1 + €225.<sup>00</sup>

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Volume Pricing	
Qty 1-9	€225,00 each
Qty 10+	€198,00 each
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**i** Prices shown are exclusive of VAT/local taxes

Product Downloads

**General**

Laser Mirror **Type:**  
  
 Yb:doped Lasers 1st Harmonic **Typical Applications:**

**Physical & Mechanical Properties**

80 **Clear Aperture (%):**

Commercial Polish	<b>Back Surface:</b>
12.70 +0.00/-0.10	<b>Diameter (mm):</b>
6.35 ±0.10	<b>Thickness (mm):</b>
<10	<b>Parallelism (arcsec):</b>

## Optical Properties

10-5	<b>Surface Quality:</b>
R <sub>s</sub> >99.95% @ 1000 - 1060nm R <sub>p</sub> >99.9% @ 1000 - 1060nm	<b>Coating Specification:</b>
0 ±20fs <sup>2</sup> @ 1000 - 1060nm (s-pol & p-pol)	<b>GDD Specification:</b>
1000 - 1060	<b>Wavelength Range (nm):</b>
λ/8	<b>Surface Flatness (P-V):</b>
Dielectric	<b>Coating Type:</b>
Ultrafast (1000-1060nm)	<b>Coating:</b>
1030	<b>Design Wavelength DWL (nm):</b>
45	<b>Angle of Incidence (°):</b>
<a href="#">Fused Silica</a> (Corning 7980)	<b>Substrate:</b> <input type="checkbox"/>
0.45 J/cm <sup>2</sup> @ 1030nm, 207fs, 1 pulse 0.35 J/cm <sup>2</sup> @ 1030nm, 207fs, 1,000 pulses	<b>Damage Threshold, By Design:</b> <input type="checkbox"/>

## Regulatory Compliance

<a href="#">View</a>	<b>Certificate of Conformance:</b>
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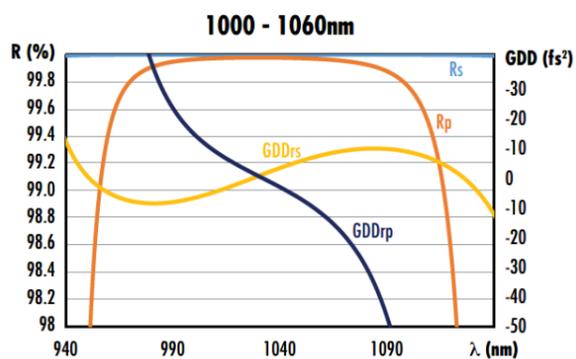
## Product Details

- Designed with High Reflectivity for Ultrafast Beam Steering
- Ion-Beam Sputtered Coating for Low Scatter and Absorption
- GDD as Low as 0±20fs<sup>2</sup> at Design Wavelength Range

TECHSPEC® High Performance Low GDD Ultrafast Mirrors are designed to have high reflectivity at 0° or 45° angles of incidence, making them ideal for ultrafast laser beam steering applications. These mirrors have a dispersion compensating coating obtained through a precision ion beam sputtering (IBS) process, providing lower scatter and absorption than traditional dielectric laser mirrors. TECHSPEC High Performance Low GDD Ultrafast Mirrors have a group delay dispersion (GDD) of near zero at their design wavelength range, minimizing dispersion of the reflected beam. Typical applications include use in the transport of femtosecond laser pulses.

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

## Technical Information



## 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](#).

## Compatible Mounts

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