

TECHSPEC[®] 1000 - 1060nm, 25.4mm Dia., Ultrafast Mirror



Stock #14-846 20+ In Stock

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1

+

S\$399^{.00}

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Volume Pricing	
Qty 1-9	S\$399.00 each
Qty 10+	S\$351.40 each
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General

Type:

Laser Mirror

Typical Applications:

Yb:doped Lasers 1st Harmonic

Physical & Mechanical Properties

Clear Aperture (%):

80

Back Surface:

Commercial Polish

25.40 +0.00/-0.10	Diameter (mm):
6.35 ±0.10	Thickness (mm):
<10	Parallelism (arcsec):
Optical Properties	
10-5	Surface Quality:
R _s >99.95% @ 1000 - 1060nm R _p >99.9% @ 1000 - 1060nm	Coating Specification:
0 ±20fs ² @ 1000 - 1060nm (s-pol & p-pol)	GDD Specification:
1000 - 1060	Wavelength Range (nm):
λ/8	Surface Flatness (P-V):
Dielectric	Coating Type:
Ultrafast (1000-1060nm)	Coating:
1030	Design Wavelength DWL (nm):
45	Angle of Incidence (°):
Fused Silica (Corning 7980)	Substrate: □
0.45 J/cm ² @ 1030nm, 207fs, 1 pulse 0.35 J/cm ² @ 1030nm, 207fs, 1,000 pulses	Damage Threshold, By Design: □
Regulatory Compliance	
View	Certificate of Conformance:

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](#).

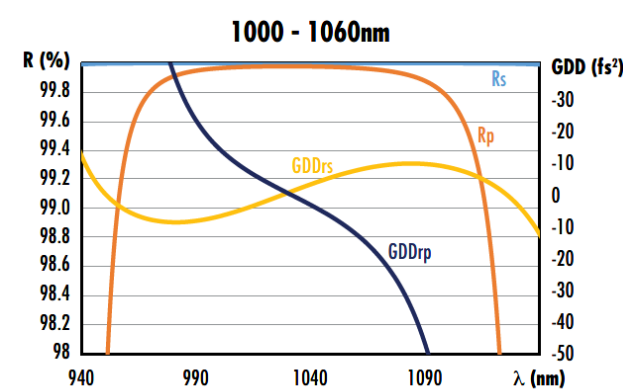
Product Details

- Designed with High Reflectivity for Ultrafast Beam Steering
- Ion-Beam Sputtered Coating for Low Scatter and Absorption
- GDD as Low as 0±20fs² 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



Compatible Mounts

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