

TECHSPEC®

2000nm, 12.7mm Dia. x 6.35mm Thickness, Ultrafast Laser Mirror



Stock **#26-844** [CONTACT US](#)

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1

+

£132^{.00}

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Volume Pricing	
Qty 1-5	£132.00 each
Qty 6-25	£128.00 each
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Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Laser Mirror

Type:

Physical & Mechanical Properties

6.35 ±0.20

Thickness (mm):

12.70 +0.00/-0.10

Diameter (mm):

90	Clear Aperture (%):
Commercial Polish	Back Surface:
<3	Parallelism (arcmin):

Optical Properties

Fused Silica (Corning 7980)	Substrate: □
10-5	Surface Quality:
45	Angle of Incidence (°):
Ultrafast (1900-2000nm)	Coating:
2000	Design Wavelength DWL (nm):
1900 - 2100	Wavelength Range (nm):
λ/8	Surface Flatness (P-V):
Coating Specification: R _(avg) S & P >99.90% @ 2000nm @ 45° AOI R _(avg) >99.7% @ 1900 - 2100nm @ 45° AOI	
Dielectric	Coating Type:
GDD Specification: ±40 fs ² @ 1900 – 2100nm @ 45° AOI (s-pol) ±100 fs ² @ 1970 – 2030nm @ 45° AOI (p-pol)	

Environmental & Durability Factors

MIL-PRF-13830B	Durability:
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Regulatory Compliance

View	Certificate of Conformance:
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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

- GDD as Low as ±20fs² 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.