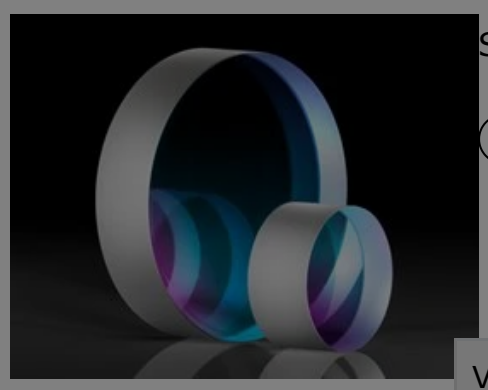
TECHSPEC®

1030nm, 12.7mm ... st Laser Mirror



Stock **#26-835** **13 In Stock**

- 1 +

€105,00

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Volume Pricing	
Qty 1-5	**€105,00** each
Qty 6-25	**€93,50** each
Need More?	**Request Quote**

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

STEP:step | Curve:pdf | PDF Drawing:pdf | IGES:igs | eDrawing:eprt | EO Spec Sheet | **Download All**

General

Type:	Laser Mirror

Physical & Mechanical Properties

Thickness (mm):	6.35 ±0.20	**Diameter (mm):**	12.70 +0.00/-0.10
Clear Aperture (%):	90	**Back Surface:**	Commercial Polish
Parallelism (arcmin):	<3		

Optical Properties

Substrate: ⓘ	**Fused Silica** (Corning 7980)	**Surface Quality:**	10-5
Angle of Incidence (°):	45	**Coating:**	Ultrafast (990-1070nm)
Design Wavelength DWL (nm):	1030	**Wavelength Range (nm):**	990 - 1070
Surface Flatness (P-V):	λ/8	**Coating Specification:**	$R_{(avg)}$ S & P >99.90% @ 1030nm @ 45° AOI $R_{(avg)}$ >99.7% @ 990 - 1070nm @ 45° AOI
Coating Type:	Dielectric	**GDD Specification:**	±10 fs^2 @ 990 – 1070nm @ 45° AOI (s-pol) ±30 fs^2 @ 1010 – 1050nm @ 45° AOI (p-pol)

Environmental & Durability Factors

Durability:	MIL-PRF-13830B

Regulatory Compliance

Certificate of Conformance:	**View**

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Need different specs or modifications?

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.**

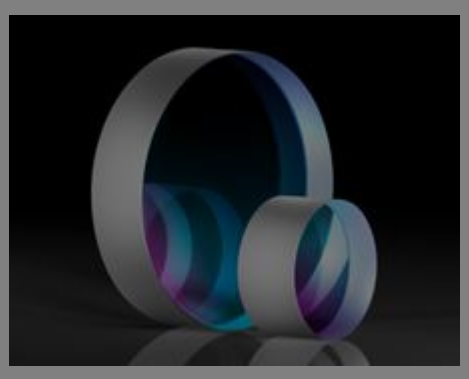
Product Details

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

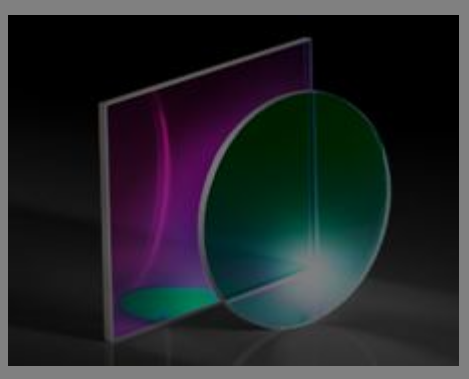
TECHSPEC® Low GDD Dielectric Ultrafast Laser Mirrors feature a multilayer dielectric coating on fused silica substrates for excellent reflectivity of greater than 99.9%, and low coefficient of thermal expansion, making them ideal for ultrafast beam transport applications. These mirrors have a group delay 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.

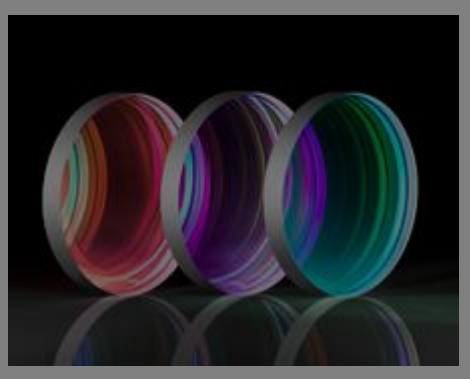
Related Products



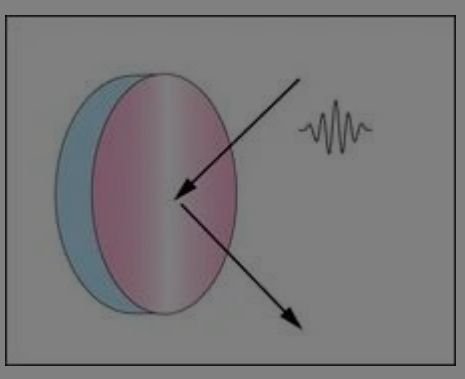
High Performance Low GDD Ultrafast Mirrors



Low GDD Dichroic Shortpass Ultrafast Filters



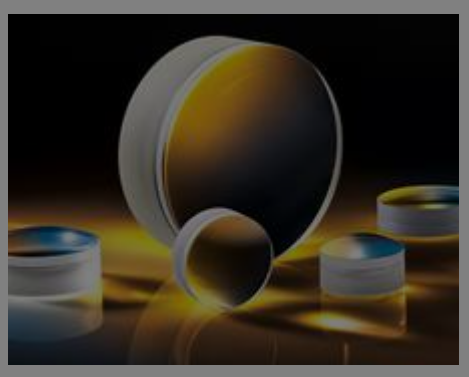
Ultrafast Harmonic Separators



Ultrafast Laser Mirrors

Frequently Purchased Together

#48-743 – 12.0mm Dia. x 84.0mm FL, NIR I Coated, Plano-Convex Lens
€47,50
Qty



#49-333 – 12.5mm Dia. x 100mm FL, VIS-NIR Coated, Achromatic Lens
€96,50
Qty

#53-891 – Style E Rubber Eyeguard for 35mm Eyepiece Dia. (1 piece)
€12,25
Qty

#63-515 – 10.0mm Dia. x 75.0mm FL, NIR I Coated, Plano-Convex Lens
€43,50
Qty

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Optical Coatings

Calculator

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Laser Optics for Eye Surgery

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Effects of Laser Mirror Surface Flatness

APPLICATION NOTE

Basics of Ultrafast Lasers

APPLICATION NOTE

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