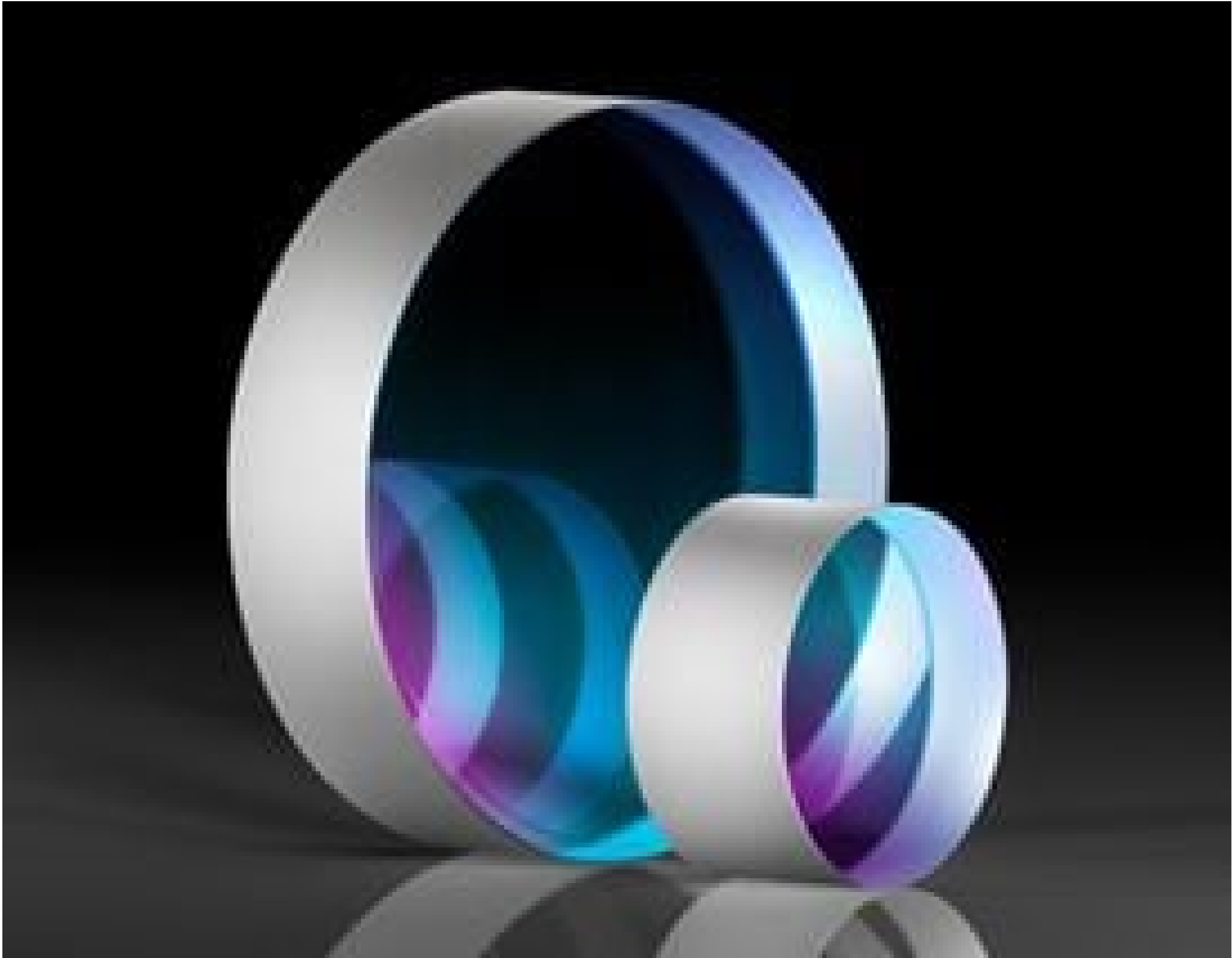


TECHSPEC® 800nm, 25.4mm Dia., 0° Ultrafast High Energy Mirror



Stock #36-407 2 In Stock

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1

+

£260^{.00}

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Volume Pricing	
Qty 1-5	£260.00 each
Qty 6-25	£229.60 each
Qty 26+	£221.00 each
Need More?	Request Quote

! Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Laser Mirror

Type:

Ti:Sapphire 1st Harmonic

Typical Applications:

Physical & Mechanical Properties

<5

Parallelism (arcmin):

85	Clear Aperture (%):
Commercial Polish	Back Surface:
25.40 +0.00/-0.13	Diameter (mm):

9.52 ±0.25	Thickness (mm):
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Optical Properties

10-5	Surface Quality:
99.5	Reflection at DWL (%):

R _{avg} ≥99.5% @ 780 - 820nm	Coating Specification:
0 ±10fs ² @ 780 - 820nm	GDD Specification:

780 - 820	Wavelength Range (nm):
λ/6	Surface Flatness (P-V):

Dielectric	Coating Type:
Ultrafast (780-820nm)	Coating:

800	Design Wavelength DWL (nm):
0	Angle of Incidence (°):

Fused Silica (Corning 7980)	Substrate:
0.79 J/cm ² @ 800nm, 200fs FWHM, Linear Polarization, 1 pulse (typical) 0.7 J/cm ² @ 800nm, 200fs FWHM, 100Hz, linear polarization, 1000 pulses (typical)	Damage Threshold, By Design:

Regulatory Compliance

Compliant	RoHS 2015:
Compliant	Reach 219:

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

- 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.

Compatible Mounts