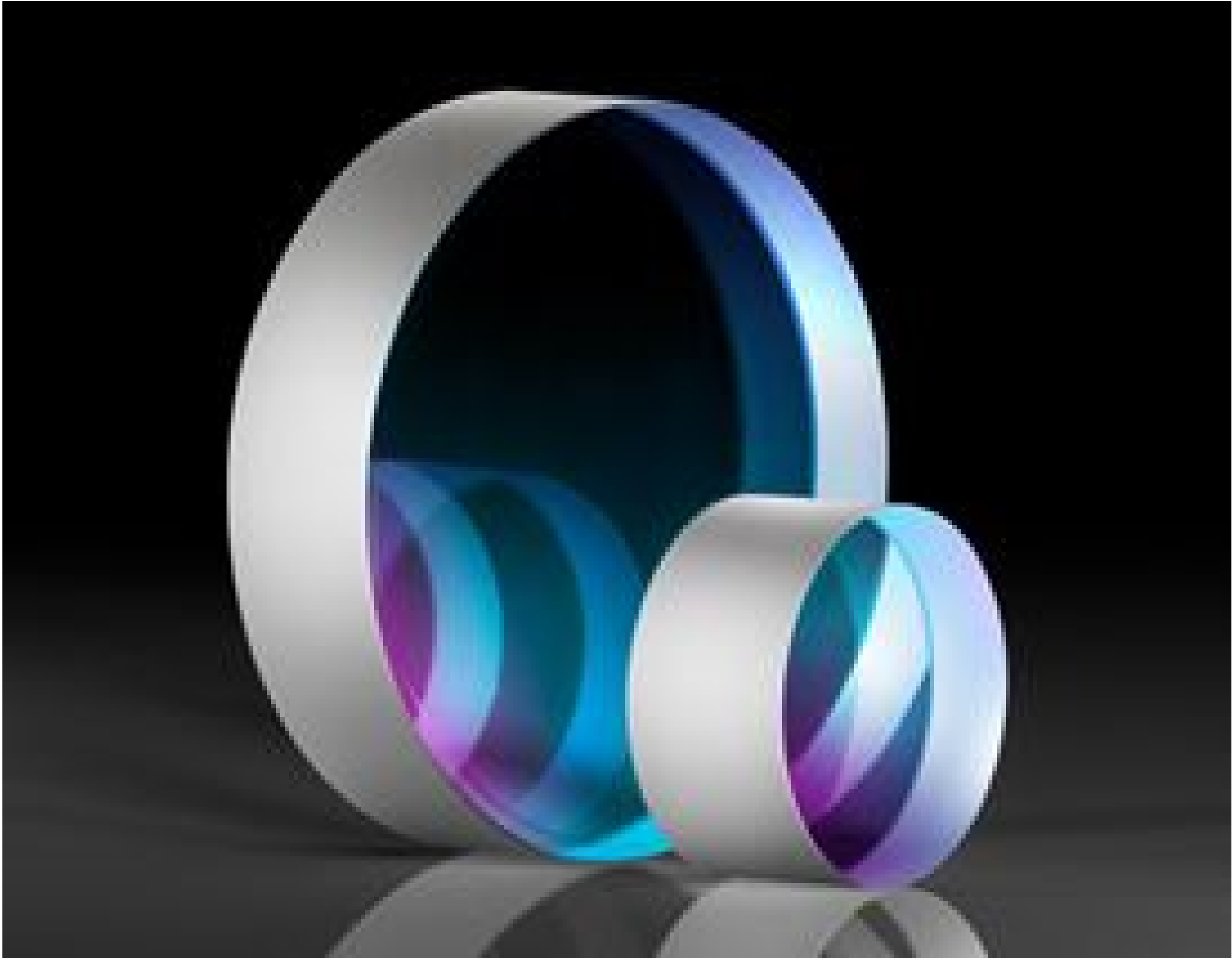


TECHSPEC[®] 515nm, 50.8mm Dia. x 9.53mm Thickness, Ultrafast Laser Mirror



Stock **#25-094** 5 In Stock

-

1

+

A\$529^{.60}

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Volume Pricing	
Qty 1-5	A\$529.60 each
Qty 6-25	A\$512.00 each
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Product Downloads

General	
Laser Mirror	Type:
Physical & Mechanical Properties	
9.53 ±0.20	Thickness (mm):
50.80 +0.0/-0.1	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 (500-530nm)	Coating:
515	Design Wavelength DWL (nm):
480 - 530	Wavelength Range (nm):
λ/8	Surface Flatness (P-V):
Coating Specification: R _(avg) S & P >99.90% @ 515nm @ 45° AOI R _(avg) >99.7% @ 500 - 530nm @ 45° AOI	
Dielectric	Coating Type:
GDD Specification: ±10 fs ² @ 480 - 540nm @ 45° AOI (s-pol) ±20 fs ² @ 500 - 530nm @ 45° AOI (p-pol)	
Damage Threshold, Pulsed: 0.2 J/cm ² , 150fs @ 515nm	
Environmental & Durability Factors	
ML-PRF-13830B	Durability:
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

- 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.