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TECHSPEC®

25.4mm Dia. x 25.4mm EFL, 600-1000nm Ultrafast-Enhanced Silver Coated, 50Å OAP Mirror


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- 1 +

C\$492^{.80}
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TECHSPEC® Ultrafast-Enhanced Silver Coated Off-Axis Parabolic (OAP) Mirror

Volume Pricing	
Qty 1-5	C\$492.80 each
Qty 6-10	C\$443.80 each
Qty 11-25	C\$394.80 each
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Product Downloads	
STEP:step	Curve:pdf
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EO Spec Sheet	Download All

General	
Type:	Off-Axis Parabolic Mirror
Physical & Mechanical Properties	
Y Offset (mm):	25.40
Surface Roughness (Å):	<50 RMS
Diameter (mm):	25.40 +0.00/-0.10
Optical Properties	
Coating Type:	Ultrafast-Enhanced Silver
Coating:	Ultrafast-Enhanced Silver (600-1000nm)
Off-Set Angle (°):	90
Wavelength Range (nm):	600 - 1000
Effective Focal Length EFL (mm):	25.40
Substrate:	Aluminum 6061-T6
Coating Specification:	R _{avg} >99% @ 600 - 1000nm, 0° R _s >99% @ 540 - 1000nm, 45° R _p >98.5% @ ~730 - 870nm, 45°
Focal Length Tolerance (%):	±1
Parent Focal Length PFL (mm):	12.70
Surface Figure, RMS:	λ/8

Surface Quality:	80-50	Damage Threshold, Reference: ⓘ	0.3 J/cm ² @ 800nm, 48fs, 1 pulse (typical) 0.16 J/cm ² @ 800nm, 48fs, 100Hz, 1000 pulses (typical)
GDD Specification:	0 ±20fs ² @ 600 - 1050nm	Radius of Curvature (mm):	25.40
Reflected Wavefront, RMS:	λ/4		

Threading & Mounting

Compatible Mounting Plates:	#47-111
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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

- Ultrafast-Enhanced Silver Coating for Ti:sapphire and Yb:doped Lasers
- Low Group Delay Dispersion
- <50Å RMS Surface Roughness to Minimize Scatter

TECHSPEC® Ultrafast-Enhanced Silver Coated Off-Axis Parabolic (OAP) Mirrors are used to collimate or focus incident light at a specified offset angle. These mirrors are coated with an ultrafast-enhanced silver coatings which provide a >99% reflectivity while maintaining a low group delay dispersion (GDD) of 0 ±20fs² at their design wavelength range. The off-axis design of these mirrors separates the focal point from the beam path, allowing for more interactive space around the focal point without disrupting the incident beam. TECHSPEC Ultrafast-Enhanced Silver Coated OAP Mirrors are ideal for focusing laser light from low-to-medium power ultrafast lasers, including Ti:sapphire and Yb:doped fiber lasers, while minimizing the temporal spreading of the ultrafast pulses. Mounting plates with holes perpendicular to the optical axis are available for mounting these mirrors into benchtop systems.

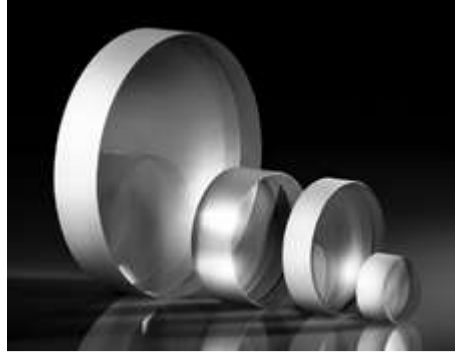
Technical Information

600-1000nm Ultrafast-Enhanced Silver

Related Products



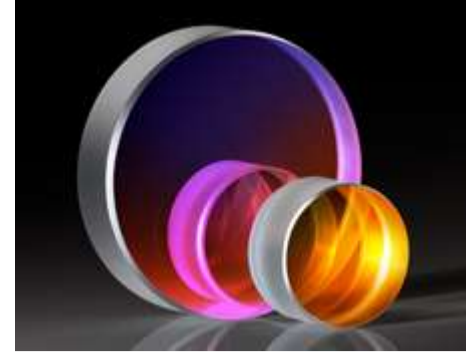
Laser Line Coated Off-Axis Parabolic (OAP) Mirrors



Ultrafast-Enhanced Silver Laser Mirrors



Silver Off-Axis Parabolic Mirrors



Ultrafast Optics

Frequently Purchased Together



#57-895 - 2" x 2" Negative, USAF 1951 Target
C\$432.60

Qty



#57-896 - 2" x 2" Positive, USAF 1951 Target
C\$432.60

Qty



#65-524 - 25.0mm Diameter x 25.0mm FL, 785nm V-Coat, PCX Lens
C\$85.40

Qty



#65-525 - 25.0mm Diameter x 50.0mm FL, 785nm V-Coat, PCX Lens
C\$82.60

Qty



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Media Type

- Application Note
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- Glossary
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- Scientific Paper

APPLICATION NOTE

An Introduction to Optical Coatings

TECHNICAL TOOL

Gaussian Beams Calculator

CASE STUDIES

Using IR Spectroscopy for Counterfeit Drug Detection

CASE STUDIES

Laser Optics for Eye Surgery

APPLICATION NOTE

Effects of Laser Mirror Surface Flatness

APPLICATION NOTE

Basics of Ultrafast Lasers

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