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TECHSPEC®

25.4mm Dia. x 203.2mm EFL, 800-1150nm Ultrafast-Enhanced Silver Coated, 50Å OAP Mirror

TECHSPEC® Ultrafast-Enhanced Silver Coated Off-Axis Parabolic (OAP) Mirrors

Stock **#25-603** **2 In Stock**

Other Coating Options

- 1 + **S$492**.80

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Volume Pricing	
Qty 1-5	**S$492.80** each
Qty 6-10	**S$394.80** each
Qty 11-25	**S$369.60** each
Need More?	Request Quote

Product Downloads

General

Type:

Off-Axis Parabolic Mirror

Physical & Mechanical Properties

Y Offset (mm):
203.20

Diameter (mm):
25.40

Surface Roughness (□):
<50 RMS

Optical Properties

Coating Type:
Ultrafast-Enhanced Silver

Coating:
Ultrafast-Enhanced Silver (800 - 1150nm)

Off-Set Angle (°):
90

Wavelength Range (nm):
800 - 1150

Effective Focal Length EFL (mm):
203.20

Substrate: □
Aluminum 6061-T6

Coating Specification:
R_{avg} >99% @ 800 - 1150mm, 0°
R_s >99% @ 800 - 1100nm, 45°
R_p >98.5% @ ~850 - 1100nm, 45°

Focal Length Tolerance (%):
±1

Parent Focal Length PFL (mm):
101.60

Surface Figure, RMS:
λ/8

Surface Quality:
80-50

Damage Threshold, Reference: □
0.35 J/cm^2 @ 1030nm, 200fs, 1 pulse (typical)
0.10 J/cm^2 @ 1030nm, 200fs, 100Hz, 1000 pulses (typical)

GDD Specification:
0 ±30fs^2 @ 800 - 1100nm

Radius of Curvature (mm):
203.20

Reflected Wavefront, RMS:
λ/4

Threading & Mounting

Compatible Mounting Plates:
#47-111

Regulatory Compliance

Certificate of Conformance:
View

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

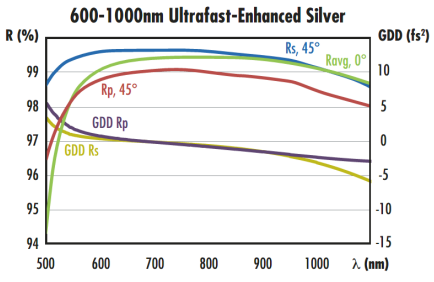
Learn more about our **custom manufacturing capabilities** or submit an inquiry **here.**

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 ±20fs^2 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

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