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**TECHSPEC®**

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



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

Stock **#17-139** **4 In Stock**

[Other Coating Options](#)

1  C\$492.<sup>00</sup>

**ADD TO CART**

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

**General**

Off-Axis Parabolic Mirror **Type:**

**Physical & Mechanical Properties**

Y Offset (mm):  
25.40

Diameter (mm):  
25.40 +0.00/-0.10

Surface Roughness ( $\square$ ):  
<50 RMS

## Optical Properties

Coating Type:  
Ultrafast-Enhanced Silver

Coating:  
Ultrafast-Enhanced Silver (600-1000nm)

Off-Set Angle ( $^{\circ}$ ):  
90

Wavelength Range (nm):  
600 - 1000

Effective Focal Length EFL (mm):  
25.40

Substrate:  $\square$   
Aluminum 6061-T6

Coating Specification:  
 $R_{avg} >99\%$  @ 600 - 1000nm,  $0^{\circ}$   
 $R_s >99\%$  @ 540 - 1000nm,  $45^{\circ}$   
 $R_p >98.5\%$  @ ~730 - 870nm,  $45^{\circ}$

Focal Length Tolerance (%):  
 $\pm 1$

Parent Focal Length PFL (mm):  
12.70

Surface Figure, RMS:  
 $\lambda/8$

Surface Quality:  
80-50

GDD Specification:  
 $0 \pm 20fs^2$  @ 600 - 1050nm

Radius of Curvature (mm):  
25.40

Reflected Wavefront, RMS:  
 $\lambda/4$

## Threading & Mounting

Compatible Mounting Plates:  
[#47-111](#)

## Regulatory Compliance

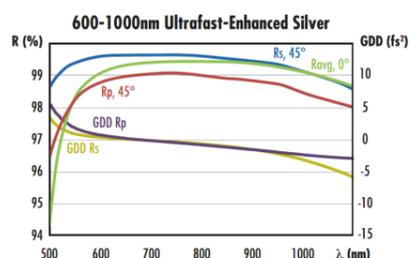
Certificate of Conformance:  
[View](#)

## Product Details

- Ultrafast-Enhanced Silver Coating for Ti:sapphire and Yb:doped Lasers
- Low Group Delay Dispersion
- <50ARMS 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  $0 \pm 20fs^2$  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

## 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](#).

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