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**TECHSPEC®**

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



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

Stock **#25-601** **4 In Stock**

[Other Coating Options](#)

⊖ 1 ⊕ €352.<sup>00</sup>

**ADD TO CART**

Volume Pricing	
Qty 1-5	€352,00 each
Qty 6-10	€282,00 each
Qty 11-25	€264,00 each
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

**General**

Off-Axis Parabolic Mirror **Type:**

**Physical & Mechanical Properties**

25.40	<b>Diameter (mm):</b>
<50 RMS	<b>Surface Roughness (□):</b>
25.40	<b>Y Offset (mm):</b>

## Optical Properties

25.40	<b>Effective Focal Length EFL (mm):</b>
±1	<b>Focal Length Tolerance (%):</b>
25.40	<b>Radius of Curvature (mm):</b>
Ultrafast-Enhanced Silver (800 - 1150nm)	<b>Coating:</b>
Ultrafast-Enhanced Silver	<b>Coating Type:</b>
<b>Coating Specification:</b>	
R <sub>avg</sub> >99% @ 800 - 1150nm, 0°	
R <sub>s</sub> >99% @ 800 - 1100nm, 45°	
R <sub>p</sub> >98.5% @ ~850 - 1100nm, 45°	
90	<b>Off-Set Angle (°):</b>
12.70	<b>Parent Focal Length PFL (mm):</b>
λ/8	<b>Surface Figure, RMS:</b>
800 - 1150	<b>Wavelength Range (nm):</b>
80-50	<b>Surface Quality:</b>
Aluminum 6061-T6	<b>Substrate:</b>
λ/4	<b>Reflected Wavefront, RMS:</b>
0 ±30fs <sup>2</sup> @ 800 - 1100nm	<b>GDD Specification:</b>

## Threading & Mounting

<a href="#">#47-111</a>	<b>Compatible Mounting Plates:</b>
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## Regulatory Compliance

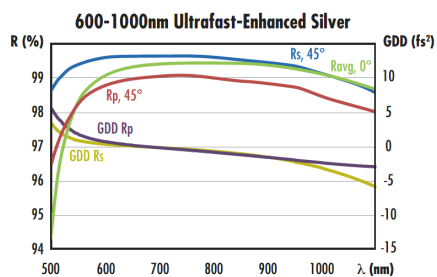
<a href="#">View</a>	<b>Certificate of Conformance:</b>
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## Product Details

- 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  $0 \pm 20 \text{fs}^2$  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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