

TECHSPEC<sup>®</sup>

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



TECHSPEC<sup>®</sup> Ultrafast-Enhanced Silver Coated Off-Axis Parabolic (OAP) Mirrors

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

[Other Coating Options](#)

-

1

+

€332<sup>.07</sup>

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | €332,07 each                  |
| Qty 6-25       | €265,66 each                  |
| Qty 26-49      | €249,05 each                  |
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**i** Prices shown are exclusive of VAT/local taxes

Product Downloads

## SPECIFICATIONS

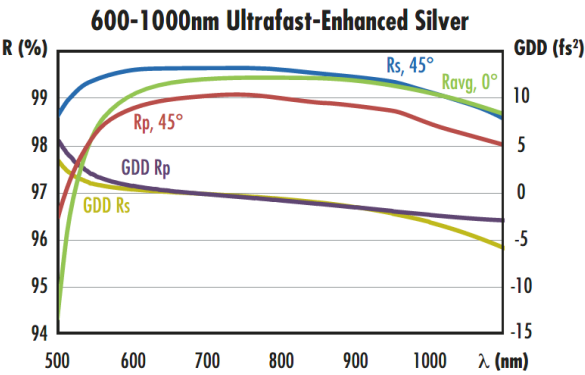
| General                                                                                                                                                     |                                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| Off-Axis Parabolic Mirror                                                                                                                                   | Type:                            |
| Physical & Mechanical Properties                                                                                                                            |                                  |
| 25.40                                                                                                                                                       | Diameter (mm):                   |
| <50 RMS                                                                                                                                                     | Surface Roughness (□):           |
| 25.40                                                                                                                                                       | Y Offset (mm):                   |
| Optical Properties                                                                                                                                          |                                  |
| 25.40                                                                                                                                                       | Effective Focal Length EFL (mm): |
| ±1                                                                                                                                                          | Focal Length Tolerance (%):      |
| 25.40                                                                                                                                                       | Radius of Curvature (mm):        |
| Ultrafast-Enhanced Silver (800 - 1150nm)                                                                                                                    | Coating:                         |
| Ultrafast-Enhanced Silver                                                                                                                                   | Coating Type:                    |
| Coating Specification:<br>R <sub>avg</sub> >99% @ 800 - 1150nm, 0°<br>R <sub>s</sub> >99% @ 800 - 1100nm, 45°<br>R <sub>p</sub> >98.5% @ ~850 - 1100nm, 45° |                                  |
| 90                                                                                                                                                          | Off-Set Angle (°):               |
| 12.70                                                                                                                                                       | Parent Focal Length PFL (mm):    |
| λ/8                                                                                                                                                         | Surface Figure, RMS:             |
| 800 - 1150                                                                                                                                                  | Wavelength Range (nm):           |
| 80-50                                                                                                                                                       | Surface Quality:                 |
| Aluminum 6061-T6                                                                                                                                            | Substrate:                       |
| λ/4                                                                                                                                                         | Reflected Wavefront, RMS:        |
| 0 ±30fs <sup>2</sup> @ 800 - 1100nm                                                                                                                         | GDD Specification:               |
| Threading & Mounting                                                                                                                                        |                                  |
| #47-111                                                                                                                                                     | Compatible Mounting Plates:      |
| Regulatory Compliance                                                                                                                                       |                                  |
| View                                                                                                                                                        | Certificate of Conformance:      |

## PRODUCT DETAILS

- Ultrafast-Enhanced Silver Coating for Ti:sapphire and Yb:doped Lasers
- Low Group Delay Dispersion
- <50Å RMS Surface Roughness to Mimize 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<sup>2</sup> 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](#).