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TECHSPEC®

25.4mm Dia. x 25.4mm EFL, UV Enhanced Aluminum 90° OAP Mirror with Alignment Through Holes

#11-768

Stock **#11-768** CONTACT US

- 1 + **A$472**.00

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Volume Pricing	
Qty 1-5	**A$472.00** each
Qty 6-10	**A$425.60** each
Qty 11-25	**A$401.60** each
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Product Downloads

General

Type:

Off-Axis Parabolic Mirror

Physical & Mechanical Properties

Y Offset (mm):

25.40

Diameter (mm):
25.40 +0.00/-0.10

Surface Roughness (□):
<50 RMS

Through Hole Diameter (mm):
4.1

Through Hole Orientation:
1 x Parallel to Focused Beam
1 x Parallel to Collimated Beam

Optical Properties

Coating Type:
Metal

Coating:
Enhanced Aluminum (250-700nm)

Off-Set Angle (°):
90

Wavelength Range (nm):
250 - 700

Effective Focal Length EFL (mm):
25.40

Substrate: □
Aluminum 6061-T6

Coating Specification:
R_{avg} >89% @ 250 - 450nm
R_{avg} >85% @ 250 - 700nm

Focal Length Tolerance (%):
±1

Parent Focal Length PFL (mm):
12.7

Surface Figure, RMS:
λ/8

Surface Quality:
80-50

Radius of Curvature (mm):
25.40

Regulatory Compliance

Certificate of Conformance:
View

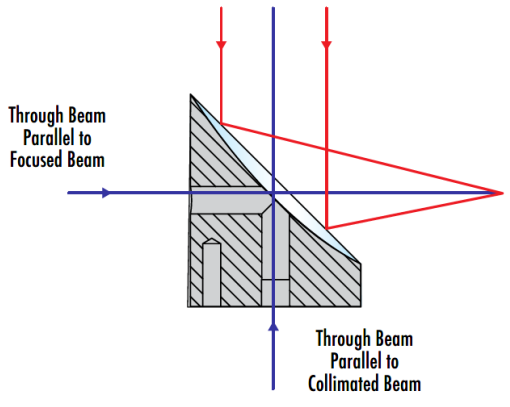
Product Details

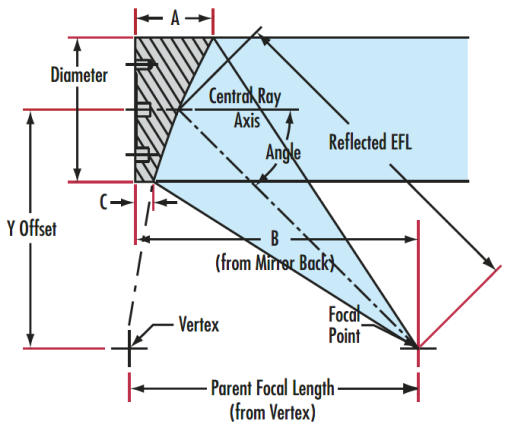
- Through Holes Parallel to Focused and Collimated Beams
- Range of Metallic Coatings Available
- <50Å RMS Surface Roughness

TECHSPEC® Off-Axis Parabolic (OAP) Mirrors with Alignment Through Holes are designed with two through holes, one that aligns with the focal point of beams focused off the parabolic surface and the second parallel to beams collimated by the surface. The hole placements allow for two beams to hit a target or sample simultaneously, which is a technique used to take pump-probe measurements. These OAPs feature aluminum substrates and are diamond turned with a surface roughness of <50Å RMS that minimizes scatter. TECHSPEC Off-Axis Parabolic Mirrors with Alignment Through Holes are available coated with protected gold, protected aluminum, or UV enhanced aluminum for integration into applications requiring high reflectance from the ultraviolet (UV) to the infrared (IR).

Note: Please **contact us** for custom options if your application requires a **standard OAP Mirror** with a through hole.

Technical Information





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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