TECHSPEC® 50.8 x 177.8mm EFL 90° Protected Silver 100Å Off-Axis Parabolic Mirror

Stock **#36-598** **5 In Stock**

Other Coating Options

- 1 + **€504.70**

ADD TO CART

Volume Pricing	
Qty 1-5	**€504,70** each
Qty 6-25	**€454,23** each
Qty 26-50	**€403,76** each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

General

Type:
Off-Axis Parabolic Mirror

Physical & Mechanical Properties

Diameter (mm):
50.80 +0.00/-0.38

Surface Roughness (□):
<100 RMS

Clear Aperture (%):
90

Y Offset (mm):
177.8

Optical Properties

Effective Focal Length EFL (mm):
177.80

Focal Length Tolerance (%):
±1

Radius of Curvature (mm):
177.80

Coating:
Protected Silver (450-12000nm)

Coating Type:
Metal

Coating Specification:
R_{avg} ≥98% @ 2,000 - 12,000nm,
R_{avg} (typical) 96% @ 450 - 2,000nm

Off-Set Angle (°):
90

Parent Focal Length PFL (mm):
88.9

Surface Figure, RMS:
λ/2

Wavelength Range (nm):
450 - 12000

Surface Quality:
80-50

Substrate:
Aluminum 6061-T6

Reflected Wavefront, RMS:
1λ

Threading & Mounting

Compatible Mounting Plates:
#47-112

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

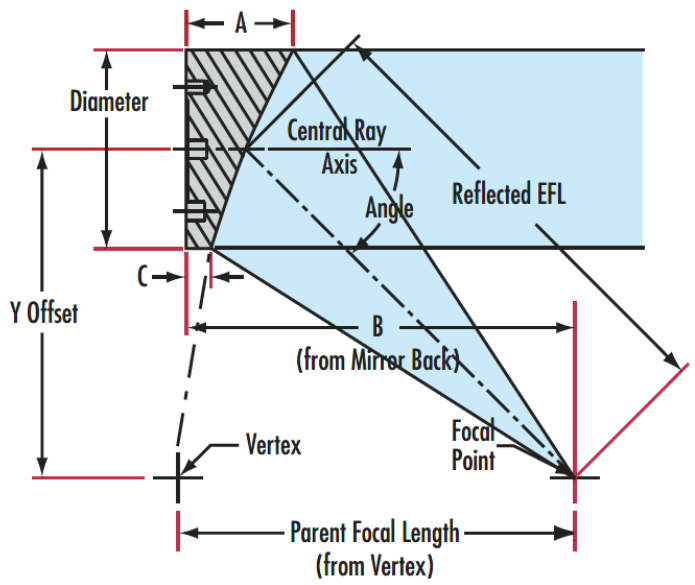
Reach 247:
Compliant

PRODUCT DETAILS

- Protected Silver Coating for Visible and IR Application
- 100Å Surface Roughness
- 90° Offset Angle
- Aluminum and Gold Coated Off-Axis Parabolic Mirrors Also Available

TECHSPEC® Silver Off-Axis Parabolic Mirrors (OAPs) are designed to direct and focus incident collimated light at a specific offset angle with minimal scatter loss. Coated with protected silver, these OAP mirrors provide high reflectivity from the visible to the infrared (IR), making them ideal for broadband applications. These Silver OAPs provide unobstructed access to the point of focus, allowing for the creation of more compact systems. TECHSPEC® Silver Off-Axis Parabolic Mirrors (OAPs) are commonly used in instrumentation and laser systems in the visible and IR spectrum, including Schlieren, MTF, FLIR, and FTIR systems. For additional surface roughness options and offset angles, please see our aluminum or gold coated OAPs or **contact us** for custom options.

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.**