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TECHSPEC®

25.4 x 127mm Elliptical Off-Axis Parabolic Mirror

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Stock #35-563 **2 In Stock** [Other Coating Options](#)

- 1 +

€349⁰⁰

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Volume Pricing	
Qty 1-5	€349,00 each
Qty 6-10	€314,00 each
Qty 11-25	€300,00 each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

- STEP:step
- Curve:pdf
- PDF Drawing:pdf
- IGES:igs
- Zemax:zmx
- eDrawing:eprt
- Code V:seq
- EO Spec Sheet
- [Download All](#)

General

Type: Off-Axis Parabolic Mirror

Physical & Mechanical Properties

Y Offset (mm): 127.00

Diameter (mm): 25.40
+0.00/-0.38

Clear Aperture (%): 90

Surface Roughness (Å): <100 RMS

Optical Properties

Coating Type: Metal

Coating: Protected Aluminum (400-2000nm)

Off-Set Angle (°): 90

Wavelength Range (nm): 400 - 2000

Effective Focal Length EFL (mm): 127.00

Substrate: Aluminum 6061-T6

Coating Specification: R_{avg} ≥85% @ 400 - 700nm
R_{avg} ≥97% @ 2,000 - 12,000nm

Focal Length Tolerance (%): ±1

Parent Focal Length PFL (mm): 63.5

Surface Figure, RMS: λ/4

Surface Quality: 80-50

Radius of Curvature: 127.00

(mm):

Reflected Wavefront, RMS: $\lambda/2$

Threading & Mounting

Compatible Mounting Plates: **#47-111**

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Regulatory Compliance

RoHS 2015: **Compliant**

Certificate of Conformance: **View**

Reach 247: **Compliant**

Need different specs or modifications?

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](#).

Product Details

- Aluminum Coatings for UV, Visible, and NIR Applications
- Range of Surface Roughness, Including 50Å and 100Å
- 15°, 30°, 45°, 60°, or 90° Offset Angle Options
- Gold and Silver Coated Off-Axis Parabolic Mirrors Also Available

TECHSPEC® Aluminum Off-Axis Parabolic Mirrors (OAPs) are a cost-effective solution for focusing incident light with minimal scatter loss. Available with enhanced or protected aluminum coatings, these OAP mirrors offer high reflectivity from the ultraviolet (UV) to the near infrared (NIR). These Aluminum OAPs are manufactured with multiple surface roughness specifications, offering designers the choice between high performance, low scatter mirrors and more cost sensitive options. TECHSPEC® Aluminum Off-Axis Parabolic Mirrors are used in optical systems such as Schlieren and spectroscopy systems, as well as in laser systems to focus laser beams. For increased system integration flexibility, mounting plates that thread to the base of these off-axis parabolic mirrors are available.

Technical Information

Accessories

Note: Compatible accessories for individual stock numbers may vary. If unsure about which accessories work with your products, please contact us [here](#).

	Title	Compare	Stock Number	Price	Buy
MORE+	Mounting Plate for 12.7mm Diameter Off-Axis Mirrors		#34-425	€99,00 Volume Pricing Request Quote	12 In Stock <input type="text" value="1"/>
MORE+	Mounting Plate for 25.4mm Diameter Off-Axis Mirrors		#47-111	€135,00 Volume Pricing Request Quote	20+ In Stock <input type="text" value="1"/>
MORE+	Mounting Plate for 50.8mm Diameter Off-Axis Mirrors		#47-112	€140,00 Volume Pricing Request Quote	20+ In Stock <input type="text" value="1"/>

	Title	Compare	Stock Number	Price	Buy
MORE+	Mounting Plate for 76.2mm Diameter Off-Axis M...			€155,00	4 In Stock <input type="text" value="1"/>
MORE+	Mounting Plate for 6. Diameter Off-Axis M...				CONTACT US <input type="text" value="1"/>
MORE+	Mounting Plate for 101.6mm Diameter Off-Axis Mirrors		#83-977	€180,00 Volume Pricing Request Quote	5 In Stock <input type="text" value="1"/>

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Off-Axis Parabolic Mirrors with Alignment Through Holes



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



High Performance Off-Axis Parabolic Mirrors

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CASE STUDIES

Using IR Spectroscopy for Counterfeit Drug Detection

APPLICATION NOTE

Roughness of Diamond Turned Off-Axis Paraboli...

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Off-Axis Parabolic Mirror Selection...

VIDEO

Compound Parabolic Concentrators Review

FAQ

I would like to use your Off-Axis Mirror in a laser...

FAQ

How are your Off-Axis Parabolic Metal Mirrors...

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