TECHSPEC®

12.7 x 25.4mm EFL 90° Bare Gold 100Å Off-Axis Parabolic Mirror

Stock #35-488 1 In Stock

Other Coating Options

- 1 +

MRP ₹28,149

Price inclusive of all taxes

ADD TO CART

Volume Pricing	
Qty 1-5	₹28,149 each
Qty 6-10	₹25,324 each
Qty 11-25	₹24,214 each
Need More?	Request Quote

Product Downloads

STEP:step | Curve:pdf

PDF Drawing:pdf | IGES:igs

Zemax:zmx | eDrawing:eprt

Code V:seq | EO Spec Sheet

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General

Type:	Off-Axis Parabolic Mirror

Physical & Mechanical Properties

Y Offset (mm):	25.4	**Diameter (mm):**	12.70 +0.00/-0.38
Clear Aperture (%):	90	**Surface Roughness (Å):**	<100 RMS

Optical Properties

Coating Type:	Metal	**Coating:**	Bare Gold
Off-Set Angle (°):	90	**Wavelength Range (nm):**	700 - 12000
Effective Focal Length EFL (mm):	25.40	**Substrate:** ⓘ	Aluminum 6061-T6
Coating Specification:	R_{avg}≥94% @ 700 - 800nm R_{avg}≥97% @ 800 - 2,000nm R_{avg} ≥98% @ 2,000 - 12,000nm	**Focal Length Tolerance (%):**	±1
Parent Focal Length PFL (mm):	12.7	**Surface Figure, RMS:**	λ/4
Surface Quality:	80-50	**Radius of Curvature (mm):**	25.40

Reflected Wavefront, RMS:	λ/2

Threading & Mounting

Compatible Mounting Plates:	**#34-425**

Regulatory Compliance

RoHS 2015:	**Compliant**	**Certificate of Conformance:**	**View**
Reach 247:	**Compliant**		
Country of Origin:	United States	**Imported By:**	Edmund Optics India Private Limited 267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038 Phone: +91-80-6845 0000

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

- Bare or Protected Gold Coating for NIR and IR Applications
- 50Å and 100Å Surface Roughness Options
- 15°, 30°, 45°, 60°, or 90° Offset Angles
- Aluminum and Silver Coated Mirrors Also Available

TECHSPEC® Gold Off-Axis Parabolic Mirrors (OAPs) are designed for minimal scatter loss in light focusing applications. Available with bare or protected gold coatings, these OAP mirrors offer excellent reflectivity from the near infrared (NIR) to the far infrared (IR). Multiple surface roughness options are available in offset angles from 15 to 90°, providing flexibility for system designs. TECHSPEC® Gold Off-Axis Parabolic Mirrors are commonly used in IR systems such as FLIR and FTIR, as well as IR lasers including quantum cascade lasers (QCLs). Mounting plates with holes perpendicular to the optical axis for post mounting are also available.

Technical Information

Special Handling

These optics require special handling to avoid damage and ensure long-term performance. Proper handling, cleaning, and storage are essential to maintain optical quality. Explore our **Optics Cleaning Resources** for step-by-step guides and best practices. For personalized assistance, **Email us** or **Chat** with our technical support team.

Component Handling Tools

Accessories

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

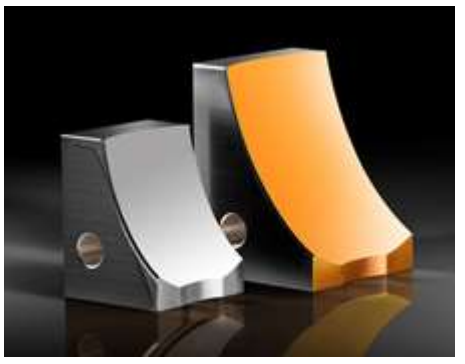
	Title	Compare	Stock Number	Price	Buy
MORE+	Mounting Plate for 6.35mm Diameter Off-Axis Mirrors		#37-943	₹9,989 Volume Pricing | Request Quote	CONTACT US 1
MORE+	Mounting Plate for 12.7mm Diameter Off-Axis Mirrors		#34-425	₹9,989 Volume Pricing | Request Quote	1 In Stock 1
MORE+	Mounting Plate for 25.4mm Diameter Off-Axis Mirrors		#47-111	₹13,621 Volume Pricing | Request Quote	20+ In Stock 1
MORE+	Mounting Plate for 50.8mm Diameter Off-Axis Mirrors		#47-112	₹14,125 Volume Pricing | Request Quote	20+ In Stock 1
MORE+	Mounting Plate for 76.2mm Diameter Off-Axis Mirrors		#63-375	₹15,639 Volume Pricing | Request Quote	4 In Stock 1
MORE+	Mounting Plate for 101.6mm Diameter Off-Axis Mirrors		#83-977	₹18,160 Volume Pricing | Request Quote	5 In Stock 1

Related Products

Aluminum Off-Axis Parabolic Mirrors

Silver Off-Axis Parabolic Mirrors

Off-Axis Parabolic Mirrors with Alignment Through Holes



Off-Axis Ellipsoidal Mirrors

Frequently Purchased Together

#34-425 - Mounting Plate for 12.7mm Diameter Off-Axis Mirrors
₹9,989

Qty

#34-720 - 12.5/12.7mm Optic Dia., Compact Kinematic Mount, 2-Screws
₹10,190

Qty

#47-111 - Mounting Plate for 25.4mm Diameter Off-Axis Mirrors
₹13,621

Qty

#47-112 - Mounting Plate for 50.8mm Diameter Off-Axis Mirrors
₹14,125

Qty

Resources

Media Type

- [ ] Application Note
- [ ] Video
- [ ] FAQ
- [ ] Glossary

CASE STUDIES
Using IR Spectroscopy for Counterfeit Drug Detection

APPLICATION NOTE
Roughness of Diamond Turned Off-Axis Paraboli...

APPLICATION NOTE
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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