

TECHSPEC® 50.8mm Dia. x 76.2mm EFL, Protected Gold 50Å 90° Off-Axis Mirror



TECHSPEC Gold Off-Axis Parabolic Mirrors

Stock #37-989 3 In Stock

☐ Other Coating Options

-

1

+

₹39,704

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Volume Pricing	
Qty 1-5	₹39,704 each
Qty 6-25	₹35,733 each
Qty 26-50	₹31,763 each
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General

Type:

Off-Axis Parabolic Mirror

Physical & Mechanical Properties

Diameter (mm):

50.80 +0.0/-0.1

Surface Roughness (□):

<50 RMS	
76.20	Y Offset (mm):
Optical Properties	
76.20	Effective Focal Length EFL (mm):
±1	Focal Length Tolerance (%):
76.20	Radius of Curvature (mm):
Protected Gold (700-10000nm)	Coating:
Metal	Coating Type:
R _{avg} ≥94% @ 700 - 800nm R _{avg} ≥97% @ 800 - 2,000nm R _{avg} ≥98% @ 2,000 - 12,000nm	Coating Specification:
90	Off-Set Angle (°):
38.1	Parent Focal Length PFL (mm):
λ/8	Surface Figure, RMS:
700 - 10000	Wavelength Range (nm):
80-50	Surface Quality:
Aluminum 6061-T6	Substrate:
λ/4	Reflected Wavefront, RMS:
Threading & Mounting	
#47-112	Compatible Mounting Plates:
Regulatory Compliance	
Compliant	RoHS 2015:
Compliant	Reach 209:
View	Certificate of Conformance:
United States	Country of Origin:
Edmund Optics India Private Limited	Imported By:

Product Details

- Bare or Protected Gold Coating for NIR and IR Applications
- 50Åand 100ÅSurface 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

