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TECHSPEC® 25.4mm Sq., 2X, Protected Gold Off-Axis Ellipsoidal Mirror

Protected Gold Off-Axis Ellipsoidal Mirror

Stock **#12-496** **4 In Stock**

- 1 + **C$532**.00

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Volume Pricing	
Qty 1-5	**C$532.00** each
Qty 6-25	**C$480.20** each
Qty 26-50	**C$427.00** each
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Product Downloads

General

Type:

Off-Axis Ellipsoidal Mirror

Physical & Mechanical Properties

Y Offset (mm):

38.10

Dimensions (mm):

25.40 x 25.40

Length (mm):
25.40

Width (mm):
25.40

Surface Roughness (□):
<100 RMS

Image Distance (mm):
50.80

Optical Properties

Coating Type:
Metal

Coating:
Protected Gold (700-10000nm)

Off-Set Angle (°):
72.89

Wavelength Range (nm):
700 - 10000

Substrate: □
Aluminum 6061-T6

Coating Specification:
R_{avg} >96% @ 700 - 2000nm
R_{avg} >96% @ 2000 - 10,000nm

Surface Quality:
60-40

Magnification:
2X

Object Distance (mm):
25.40

Reflected Wavefront, RMS:
λ/4

Regulatory Compliance

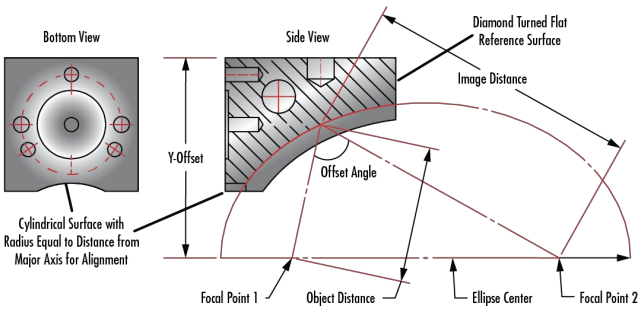
Certificate of Conformance:
View

Product Details

- <100Å Surface Roughness for Low Scatter
- Diamond Turned Alignment Surfaces
- Ideal for Finite Conjugate Reflection

TECHSPEC® Off-Axis Ellipsoidal Mirrors are finite conjugate focusing mirrors used to image at a set angle. These mirrors feature fixed conjugate image and object path lengths, providing up to 2.5X magnification from the object plane to the imaging plane. Off-Axis Ellipsoidal Mirrors are commonly found in Fourier-transform infrared spectroscopy (FTIR) systems where broadband light sources require the use of metallic reflectors with an off-axis design to meet space constraints. TECHSPEC Off-Axis Ellipsoidal Mirrors feature a diamond turned cylindrical surface on their base, with a radius equivalent to the distance to the major axis of the ellipse, for aligning the mirror to the major axis as well as a diamond turned flat reference surface that is perpendicular to the major axis. Please contact us if your application requires an Off-Axis Ellipsoidal Mirror with custom specifications.

Technical Information



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