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TECHSPEC® 50.8mm Dia. x 50.8mm EFL, 1064nm Dielectric Off-Axis Parabolic Mirror



TECHSPEC® Laser Line Coated Off-Axis Parabolic (OAP) Mirrors

Stock **#15-379** **2 In Stock**

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⊖ 1 ⊕ **S\$849⁰⁰**

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Volume Pricing	
Qty 1-5	S\$849.80 each
Qty 6-10	S\$764.40 each
Qty 11-25	S\$722.40 each
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General

Off-Axis Parabolic Mirror **Type:**

Physical & Mechanical Properties

50.8 **Y Offset (mm):**

Diameter (mm):

50.80 +0.0/-0.1

90 **Clear Aperture (%)**:

<50 RMS **Surface Roughness (□)**:

Optical Properties

Dielectric **Coating Type**:

Dielectric Mirror (1064nm) **Coating**:

90 **Off-Set Angle (°)**:

1064 **Wavelength Range (nm)**:

50.80 **Effective Focal Length EFL (mm)**:

Aluminum 6061-T6 **Substrate**: □

R_{avg} >99.5% @ 1064nm **Coating Specification**:

±1 **Focal Length Tolerance (%)**:

25.4 **Parent Focal Length PFL (mm)**:

λ/8 **Surface Figure, RMS**:

60-40 **Surface Quality**:

50.80 **Radius of Curvature (mm)**:

λ/4 **Reflected Wavefront, RMS**:

Threading & Mounting

#47-112 **Compatible Mounting Plates**:

Regulatory Compliance

Compliant **RoHS 2015**:

View **Certificate of Conformance**:

Compliant **Reach 250**:

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

- Dielectric Laser Line Coatings for 532 and 1064nm
- Ideal for Collimating or Focusing Nd:YAG Laser Light
- >99.5% Reflectivity at Nd:YAG Design Wavelengths
- [Metallic Coated Off-Axis Parabolic Mirrors](#) Also Available

TECHSPEC® Laser Line Coated Off-Axis Parabolic (OAP) Mirrors feature diamond turned aluminum substrates coated with dielectric coatings for high reflection at 532 or 1064nm laser lines. These high reflectivity dielectric coatings are designed for laser applications that require higher performance than metallic coated optics can provide. Standard imperial sizes are available with multiple focal length options, and mounting plates with holes perpendicular to the optical axis are also available for benchtop integration. TECHSPEC® Laser Line Coated Off-Axis Parabolic (OAP) Mirrors are ideal for use with the fundamental or second harmonic of Nd:YAG lasers to collimate or focus laser light. Please contact us if your application requires any of our standard [Off-Axis Parabolic Mirrors](#) with a laser line coating.

Technical Information

532nm 45°



1064nm 45°

