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TECHSPEC® 50.8mm Dia. x 190.6mm EFL, 532nm Dielectric Off-Axis Parabolic Mirror

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

Stock **#15-358** **2 In Stock**

Other Coating Options

- 1 + **€607**.00

ADD TO CART

Volume Pricing	
Qty 1-5	**€607,00** each
Qty 6-10	**€546,00** each
Qty 11-25	**€516,00** each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:

Off-Axis Parabolic Mirror

Physical & Mechanical Properties

Y Offset (mm):

190.6

Diameter (mm):
50.80 +0.0/-0.1

Clear Aperture (%):
90

Surface Roughness ():
<50 RMS

Optical Properties

Coating Type:
Dielectric

Coating:
Dielectric Mirror (532nm)

Off-Set Angle (°):
90

Wavelength Range (nm):
532

Effective Focal Length EFL (mm):
190.60

Substrate:
Aluminum 6061-T6

Coating Specification:
R_{avg} >99.5% @ 532nm

Focal Length Tolerance (%):
±1

Parent Focal Length PFL (mm):
95.3

Surface Figure, RMS:
λ/8

Surface Quality:
60-40

Radius of Curvature (mm):
190.60

Reflected Wavefront, RMS:
λ/4

Threading & Mounting

Compatible Mounting Plates:
#47-112

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

Reach 250:
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

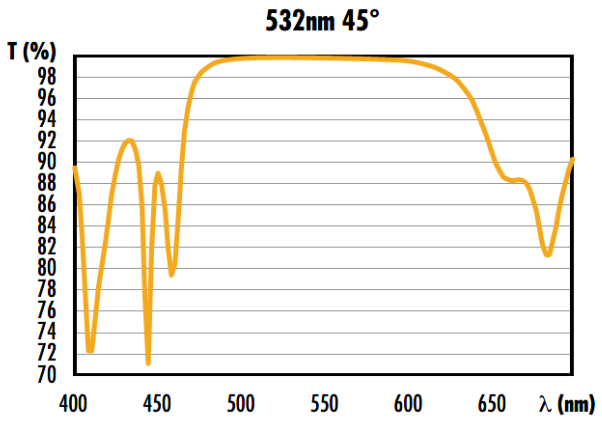
Learn more about our custom manufacturing capabilities or submit an inquiry here.

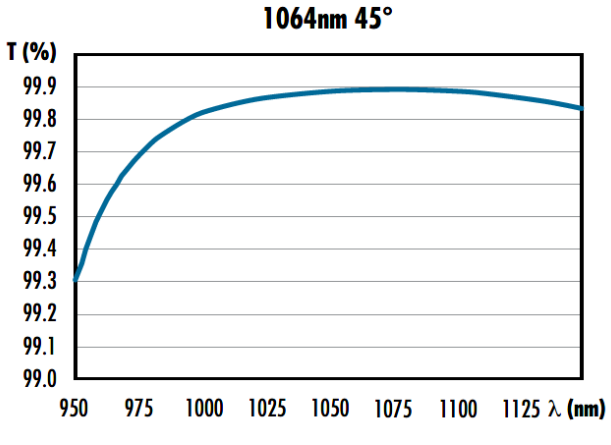
Product Details

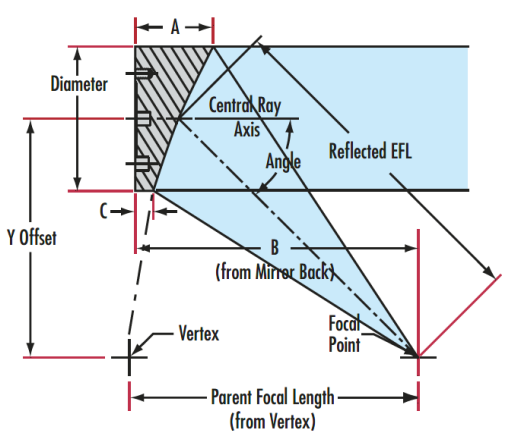
- Dielectric Laser Line Coatings for 532 and 1064nm
- Ideal for Collimating or Focusing Nd:YAG Laser Light
- >99.5% Reflectivity at Nd:YAG Design Wavelengths
- **Metallic Coated Off-Axis Parabolic Mirrors** Also Available

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°
T (%)
98
96
94
92
90
88
86
84
82
80
78
76
74
72
70
400
450
500
550
600
650
λ (nm)


1064nm 45°
T (%)
99.9
99.8
99.7
99.6
99.5
99.4
99.3
99.2
99.1
99.0
950
975
1000
1025
1050
1075
1100
1125 λ (nm)


A
Diameter
Central Ray
Axis
Angle
Reflected EFL
C
Y Offset
B
(from Mirror Back)
Vertex
Focal
Point
Parent Focal Length
(from Vertex)

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