

TECHSPEC[®] 12.7 x 50.8mm EFL 90° Uncoated Glass Off-Axis Parabolic Mirror



High Performance Fused Silica Off-Axis Parabolic (OAP) Mirrors



Stock **#18-658** 20+ In Stock

-

1

+

£659^{.20}

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Volume Pricing	
Qty 1+	£659.20 each
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Product Downloads

General

Off-Axis Parabolic Mirror

Type:

Physical & Mechanical Properties

50.80

Y Offset (mm):

Diameter (mm):

12.70 +0/-0.10	
90	Clear Aperture (%):
<10 RMS	Surface Roughness (Å):
Optical Properties	
Uncoated	Coating:
90	Off-Set Angle (°):
50.80	Effective Focal Length EFL (mm):
UV Fused Silica	Substrate: □
±1	Focal Length Tolerance (%):
25.4	Parent Focal Length PFL (mm):
λ/8 @ 632.8nm	Surface Figure, RMS:
40-20	Surface Quality:
λ/4 @ 632.8nm	Reflected Wavefront, RMS:
Regulatory Compliance	
View	Certificate of Conformance:

Custom

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

- High Quality Fused Silica Substrate
- <10Å Surface Roughness for Low Scatter
- 90° Offset Angle for Easy Integration

TECHSPEC® High Performance Fused Silica Off-Axis Parabolic (OAP) Mirrors feature a surface roughness of less than 10Å which is the lowest scatter available in an off-the-shelf solution. Featuring a fused silica substrate, these low scatter alternatives perform better in the UV wavelength range than traditional metallic substrate OAPs. TECHSPEC® High Performance Fused Silica Off-Axis Parabolic (OAP) Mirrors are ideal for Schlieren, MTF, and Czerny-Turner and Littrow spectrometer systems due to their low scattering.

Note: Uncoated options require a coating for use. Contact us for a custom coating quote for your specific wavelength.