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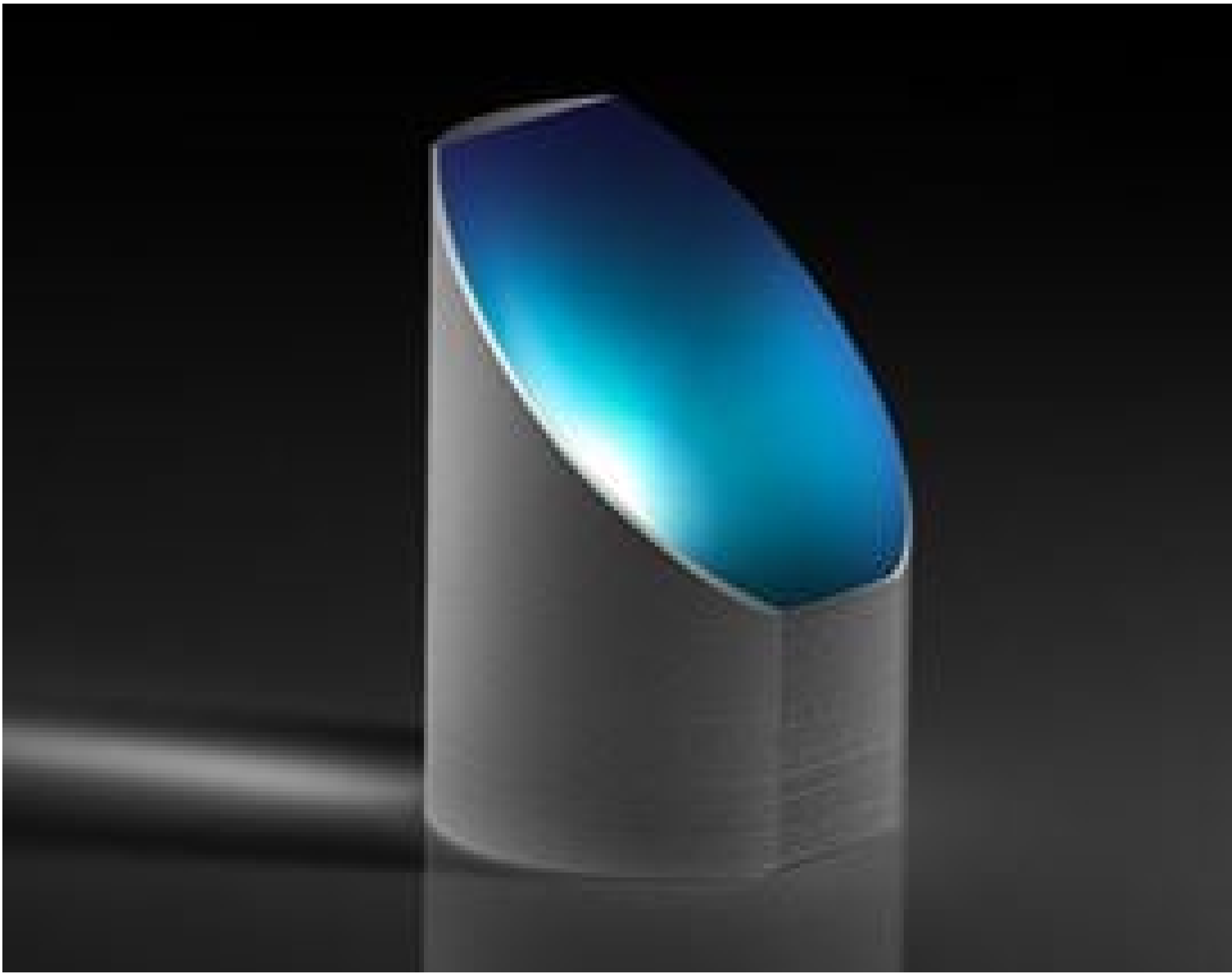
TECHSPEC® 12.7 x 50.8mm EFL 90° Uncoated Glass Off-Axis Parabolic Mirror



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

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

- 1 + **S$1,153**.60

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Volume Pricing	
Qty 1+	**S$1,153.60** each
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General

Type:

Off-Axis Parabolic Mirror

Physical & Mechanical Properties

Diameter (mm):

12.70 +0/-0.10

Surface Roughness (□):

<10 RMS

Clear Aperture (%):	
90	
Y Offset (mm):	
50.80	

Optical Properties

Effective Focal Length EFL (mm):	
50.80	
Focal Length Tolerance (%):	
±1	
Coating:	
Uncoated	
Off-Set Angle (°):	
90	
Parent Focal Length PFL (mm):	
25.4	
Surface Figure, RMS:	
λ/8 @ 632.8nm	
Surface Quality:	
40-20	
Substrate:	
UV Fused Silica	
Reflected Wavefront, RMS:	
λ/4 @ 632.8nm	

Regulatory Compliance

Certificate of Conformance:
View

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.

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.**