

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



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



Stock #18-670 14 In Stock

-

1

+

₹62,669

ADD TO CART

Volume Pricing	
Qty 1-5	₹62,669 each
Qty 6-25	₹56,480 each
Qty 26-50	₹53,327 each
Need More?	Request Quote

Product Downloads

SPECIFICATIONS

General

Type:

Off-Axis Parabolic Mirror	
Physical & Mechanical Properties	
Diameter (mm):	12.70 +0/-0.10
Surface Roughness (Å):	<10 RMS
Clear Aperture (%):	90
Y Offset (mm):	50.80
Optical Properties	
Effective Focal Length EFL (mm):	50.80
Focal Length Tolerance (%):	±1
Coating:	VS
Coating Specification:	R _{avg} >98% @ 400-750nm (0°-45° AOI for All Polarizations) R _{avg} >99% @ 400-750nm (0°-45° AOI for S-Polarization)
Off-Set Angle (°):	90
Parent Focal Length PFL (mm):	25.4
Surface Figure, RMS:	λ/8 @ 632.8nm
Wavelength Range (nm):	400 - 750
Surface Quality:	40-20
Substrate:	UV Fused Silica
Reflected Wavefront, RMS:	λ/4 @ 632.8nm
Damage Threshold, By Design:	0.5J/cm², 20ns , 20Hz @ 532nm
Regulatory Compliance	
RoHS 2015:	Compliant
Certificate of Conformance:	View
Reach 235:	Compliant

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](#).