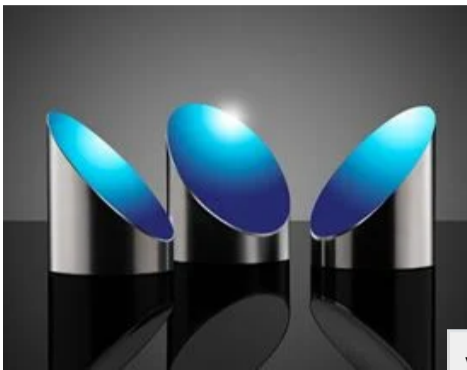


**TECHSPEC®**

# 25.4mm Dia. x 76.2mm EFL, Enhanced Deep UV (DUV) 90° Off-Axis Mirror



Ultraviolet Off-Axis Parabolic (OAP) Mirrors

Stock #25-467 [CONTACT US](#)

1 **C\$786<sup>.80</sup>**

**ADD TO CART**

Volume Pricing	
Qty 1-5	C\$786.80 each
Qty 6-10	C\$630.00 each
Qty 11-25	C\$589.40 each
Need More?	<a href="#">Request Quote</a>

Product Downloads	
STEP:step	Curve:pdf
PDF Drawing:pdf	IGES:igs
Zemax:zar	Zemax:zmx
eDrawing:eprt	
EO Spec Sheet	<a href="#">Download All</a>

## General

**Type:** Off-Axis Parabolic Mirror

## Physical & Mechanical Properties

**Y Offset (mm):** 76.20

**Diameter (mm):** 25.40 +0.0/-0.1

**Surface Roughness (Å):** <50 RMS

## Optical Properties

**Coating Type:** Metal

**Coating:** Enhanced Aluminum (190-900nm)

**Off-Set Angle (°):** 90

**Wavelength Range (nm):** 190 - 900

**Effective Focal Length EFL (mm):** 76.20

**Substrate:** Aluminum 6061-T6

**Coating Specification:**  $R_{avg} \geq 92\%$  @ 190 - 250nm  
 $R_{avg} \geq 83\%$  @ 250 - 900nm

**Focal Length Tolerance (%):** ±1

**Parent Focal Length PFL (mm):** 38.1

**Surface Figure, RMS:**  $\lambda/8$

**Surface Quality:** 80-50

**Radius of Curvature (mm):** 76.20

**Reflected Wavefront, RMS:**  $\lambda/4$

## Threading & Mounting

Compatible Mounting Plates: [#47-111](#)

## Regulatory Compliance

RoHS 2015: [Compliant](#)

Certificate of Conformance: [View](#)

REACH 241: [Compliant](#)

## Product Details

- Enhanced Metallic Coating for High Reflectivity Across Deep UV (DUV) and Visible Spectra
- 190nm Design Wavelength
- $<50\text{\AA}$  RMS Surface Roughness

TECHSPEC® Ultraviolet Off-Axis Parabolic (OAP) Mirrors are coated with a DUV Enhanced Aluminum coating for excellent reflection from 190 – 900nm. To minimize scatter, these OAPs feature aluminum substrates and are diamond turned to have a surface roughness of  $<50\text{\AA}$  RMS. Standard imperial diameters are available with multiple focal length options which range from 25.4 – 203mm. TECHSPEC® Ultraviolet Off-Axis Parabolic Mirrors are ideal for use in DUV ellipsometers, DUV Raman spectroscopy, or for general focusing of UV light generated by broadband light sources. To facilitate mounting and system integration, threaded mounting plate [#47-111](#) (sold separately) which attaches to the base of these off-axis parabolic mirrors are available.

**Note:** The soft coating can be easily damaged by fingerprints and aerosols.

## Technical Information

### Special Handling

These optics require special handling to avoid damage and ensure long-term performance. Proper handling, cleaning, and storage are essential to maintain optical quality. Explore our [Optics Cleaning Resources](#) for step-by-step guides and best practices. For personalized assistance, [Email us](#) or [Chat](#) with our technical support team.



Component Handling Tools

### Related Products



Silver Off-Axis Parabolic Mirrors



Off-Axis Parabolic Mirrors with Alignment Through Holes



Ultrafast-Enhanced Silver Coated Off-Axis Parabolic (OAP) Mirrors



#57-607 - Air Blower with Compressor  
C\$49.35

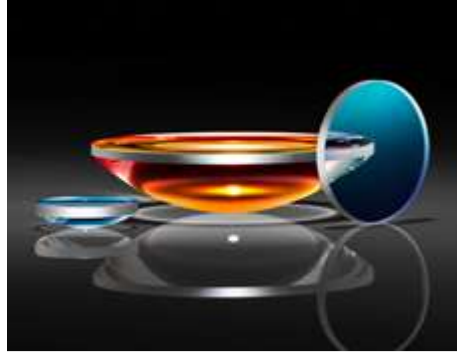
Qty

## Frequently Purchased Together



#47-111 - Mounting Plate for  
25.4mm Diameter Off-Axis Mirrors  
**C\$189.00**

Qty



#48-274 - 25mm Dia. x 50mm FL  
Uncoated, UV Plano-Convex Lens  
**C\$211.40**

Qty



#39-478 - 25.4mm Clear Aperture  
8R/92T, Pellicle Beamsplitter  
**C\$260.40**

Qty



#39-480 - 25.4mm Clear Aperture  
33R/67T, Pellicle Beamsplitter  
**C\$435.40**

Qty

