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**TECHSPEC® 12.5mm Dia., Deep UV (DUV) Mirror**



Precision Ultraviolet Mirrors

Stock #48-567 **16 In Stock**

⊖ 1 ⊕ A\$444<sup>00</sup>

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Volume Pricing	
Qty 1-5	A\$444.80 each
Qty 6-25	A\$358.40 each
Qty 26-49	A\$337.60 each
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Product Downloads

**General**

Flat Mirror **Type:**

**Physical & Mechanical Properties**

12.50 +0.0/-0.2 **Diameter (mm):**

Ground **Back Surface:**

90 Clear Aperture (%):

<3 Parallelism (arcmin):

6.00 ±0.20 Thickness (mm):

### Optical Properties

λ10 Surface Flatness (P-V):

Fused Silica (Corning 7980) Substrate: □

10-5 Surface Quality:

R<sub>avg</sub> >88% @ 190 - 195nm  
R<sub>avg</sub> >85% @ 200 - 600nm Coating Specification:

Enhanced Aluminum (190-600nm) Coating:

Metal Coating Type:

0 Angle of Incidence (°):

190 Design Wavelength DWL (nm):

190 - 600 Wavelength Range (nm):

### Material Properties

10<sup>-7</sup> Torr Vacuum Compatibility:

### Regulatory Compliance

Compliant RoHS 2015:

View Certificate of Conformance:

Compliant REACH 241:

## Product Details

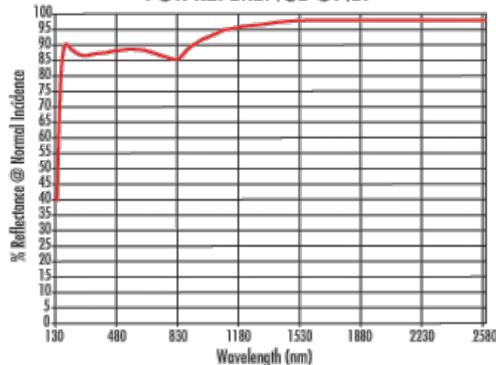
- 120nm and 190nm Design Wavelengths
- Average Reflectivity >85% Across Specified Range
- Enhanced Metallic Coatings for Broadband Reflectivity through the Visible Region

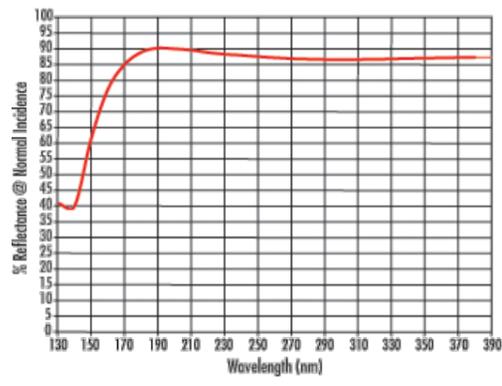
TECHSPEC® Precision Ultraviolet Mirrors are ideal for most commercially available light sources and are offered in both Deep UV (DUV) and Vacuum UV (VUV) enhanced coating options. The DUV coating offers excellent reflection from 190nm to the long-wave infrared (LWIR), while the VUV coating has optimized reflection from 120nm to the LWR. These mirrors are designed for 0° angle of incidence and feature an aluminum-based coating for low polarization sensitivity. TECHSPEC® Precision Ultraviolet Mirrors have an average reflectivity of greater than 85% across a specified range. The mirrors are available in diameters ranging from 5 to 50mm.

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

## Technical Information

DUV ENHANCED ALUMINUM PERFORMANCE CURVE FOR REFERENCE ONLY





## 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

## Compatible Mounts