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



Precision Ultraviolet Mirrors

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

⊖ 1 ⊕ ₹19,852

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Volume Pricing	
Qty 1-5	₹19,852 each
Qty 6-25	₹15,959 each
Qty 26-49	₹15,025 each
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**General**

Flat Mirror **Type:**

**Physical & Mechanical Properties**

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

Ground **Back Surface:**

Clear Aperture (%): 90  
Parallelism (arcmin): <3  
Thickness (mm): 6.00 ±0.20

## Optical Properties

Surface Flatness (P-V): λ/10

Substrate:   
Fused Silica (Corning 7980)

Surface Quality: 10-5

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

Coating: Enhanced Aluminum (190-600nm)

Coating Type: Metal

Angle of Incidence (°): 0

Design Wavelength DWL (nm): 190

Wavelength Range (nm): 190 - 600

## Material Properties

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

## Regulatory Compliance

RoHS 2015: [Compliant](#)

Certificate of Conformance: [View](#)

REACH 241: [Compliant](#)

Country of Origin: United States

Imported By: Edmund Optics India Private Limited

## Product Details

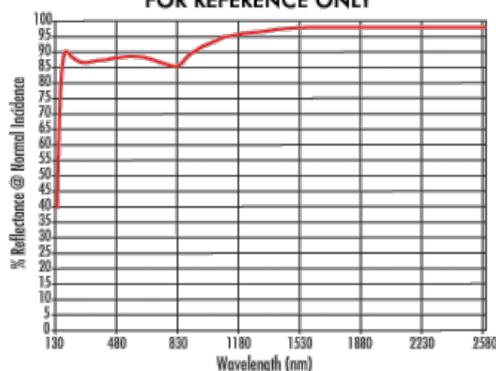
- 120nm and 190nm Design Wavelengths
- Average Reflectivity >85% Across Specified Range
- Enhanced Metallic Coatings for Broadband Reflectivity through the Visible Region

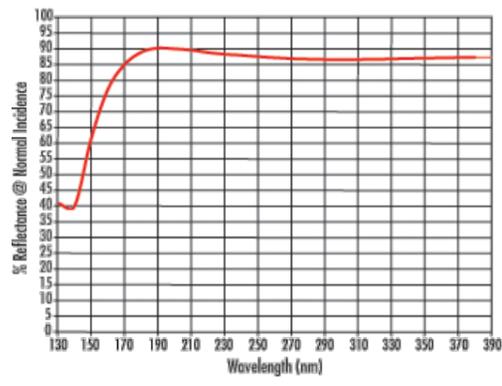
TECHSPEC® Precision Ultraviolet Mirrors are ideal for most commercially available light sources and are offered in both Deep UV (DUV) and Vacuum UV (VUV) enhanced coating options. The DUV coating offers excellent reflection from 190nm to the long-wave infrared (LWIR), while the VUV coating has optimized reflection from 120nm to the LWIR. 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