

TECHSPEC[®] 12.5mm Dia., Enhanced Deep UV (DUV) Mirror



Precision Ultraviolet Mirrors

Stock **#18-741** 20+ In Stock

-

1

+

S\$443⁸⁰

ADD TO CART

Volume Pricing	
Qty 1-5	S\$443.80 each
Qty 6-25	S\$355.60 each
Qty 26-49	S\$333.20 each
Need More?	Request Quote

Product Downloads

General	
Flat Mirror	Type:
Physical & Mechanical Properties	
12.50 +0.0/-0.2	Diameter (mm):
6.00 ±0.20	Thickness (mm):

Back Surface:	
Ground	
Clear Aperture (%):	
90	
Parallelism (arcmin):	
<3	
Optical Properties	
Coating Type:	
Metal	
Coating:	
Enhanced Aluminum (190-900nm)	
Surface Flatness (P-V):	
λ/10	
Wavelength Range (nm):	
190 - 900	
Design Wavelength DWL (nm):	
190	
Substrate: ☐	
Fused Silica (Corning 7980)	
Angle of Incidence (°):	
0	
Coating Specification:	
R _{avg} ≥92% @ 190 - 250nm R _{avg} ≥83% @ 250 - 900nm	
Surface Quality:	
10-5	

Material Properties	
Vacuum Compatibility:	
10 ⁻⁷ Torr	

Regulatory Compliance	
RoHS 2015:	
Compliant	
Certificate of Conformance:	
View	
REACH 241:	
Compliant	

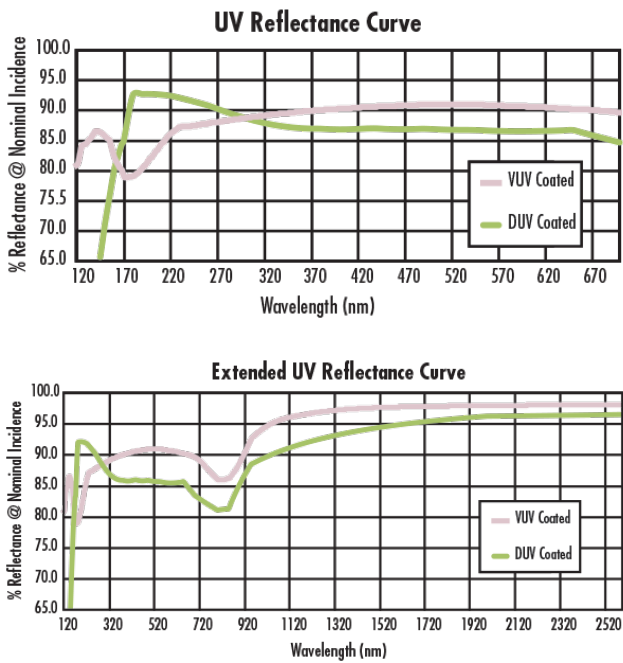
Product Details

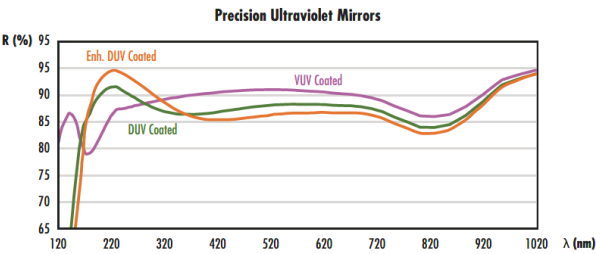
- 120nm and 190nm Design Wavelengths
- Average Reflectivity >85% Across Specified Range
- Enhanced Metallic Coatings for Broadband Reflectivity through the Visible Region

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





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