

12.7mm Dia. UHR Broadband Dielectric Mirror, 400-750nm



Stock #17-500 CLEARANCE 20+ In Stock

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1

+

A\$401^{.60}

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General	
Flat Mirror	Type:
Physical & Mechanical Properties	
12.70 +0.00/-0.10	Diameter (mm):
6.35 ±0.20	Thickness (mm):
11.7	Clear Aperture CA (mm):
	Edges:

Ground	
<3	Parallelism (arcmin):
Optical Properties	
Dielectric	Coating Type:
UHR Dielectric Mirror (400-750nm)	Coating:
λ/10	Surface Flatness (P-V):
400 - 750	Wavelength Range (nm):
Fused Silica (Corning 7980)	Substrate: □
45	Angle of Incidence (°):
R _{avg} >99.9% @ 400 - 750nm (45°, s-pol) R _{avg} >99.8% @ 410 - 750nm (45°, p-pol)	Coating Specification:
10-5	Surface Quality:
Regulatory Compliance	
View	Certificate of Conformance:

Product Details

- >99.8% Reflectivity over Broad Visible or NIR Wavelength Ranges
- 10-5 Surface Quality for Reduced Scatter in Sensitive Laser Applications
- λ/10 Surface Flatness

Ultra-High Reflectivity (UHR) Broadband Dielectric Mirrors are ideal for use with broadband **laser** or **illumination** sources in applications that require low reflection loss. These mirrors feature laser grade substrates with λ/10 surface flatness and 10-5 surface quality to minimize scattering effects. Coated with durable dielectric coatings, these mirrors are designed for >99.8% average reflectivity throughout the visible (400 - 750nm) or NIR (740 - 1100nm) spectra, independent of polarization. With a high-quality fused silica substrate, Ultra-High Reflectivity (UHR) Broadband Dielectric Mirrors feature a low coefficient of thermal expansion.

Coating Note: Coating designs measured and verified at 532, 632.8, and 1064nm via cavity ring-down spectroscopy (CRDS). Specs may not be verifiable on traditional spectrophotometer equipment.

Technical Information

