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



Stock #17-500 CLEARANCE **20+ In Stock**

MRP ₹25,324

Price inclusive of all taxes

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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):

Ground Edges:

<3 Parallelism (arcmin):

Optical Properties

Dielectric Coating Type:

UHR Dielectric Mirror (400-750nm) Coating:

$\lambda/10$ Surface Flatness (P-V):

400 - 750 Wavelength Range (nm):

Fused Silica (Corning 7980) Substrate:

45 Angle of Incidence (°):

Coating Specification:
 $R_{avg} > 99.9\%$ @ 400 - 750nm (45°, s-pol)
 $R_{avg} > 99.8\%$ @ 410 - 750nm (45°, p-pol)

10-5 Surface Quality:

Regulatory Compliance

View Certificate of Conformance:

Germany Country of Origin:

Imported By:
Edmund Optics India Private Limited
267, Greystone Building, Second Floor,
6th Cross Rd, Binnamangala,
Stage 1, Indiranagar, Bengaluru,
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Product Details

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

