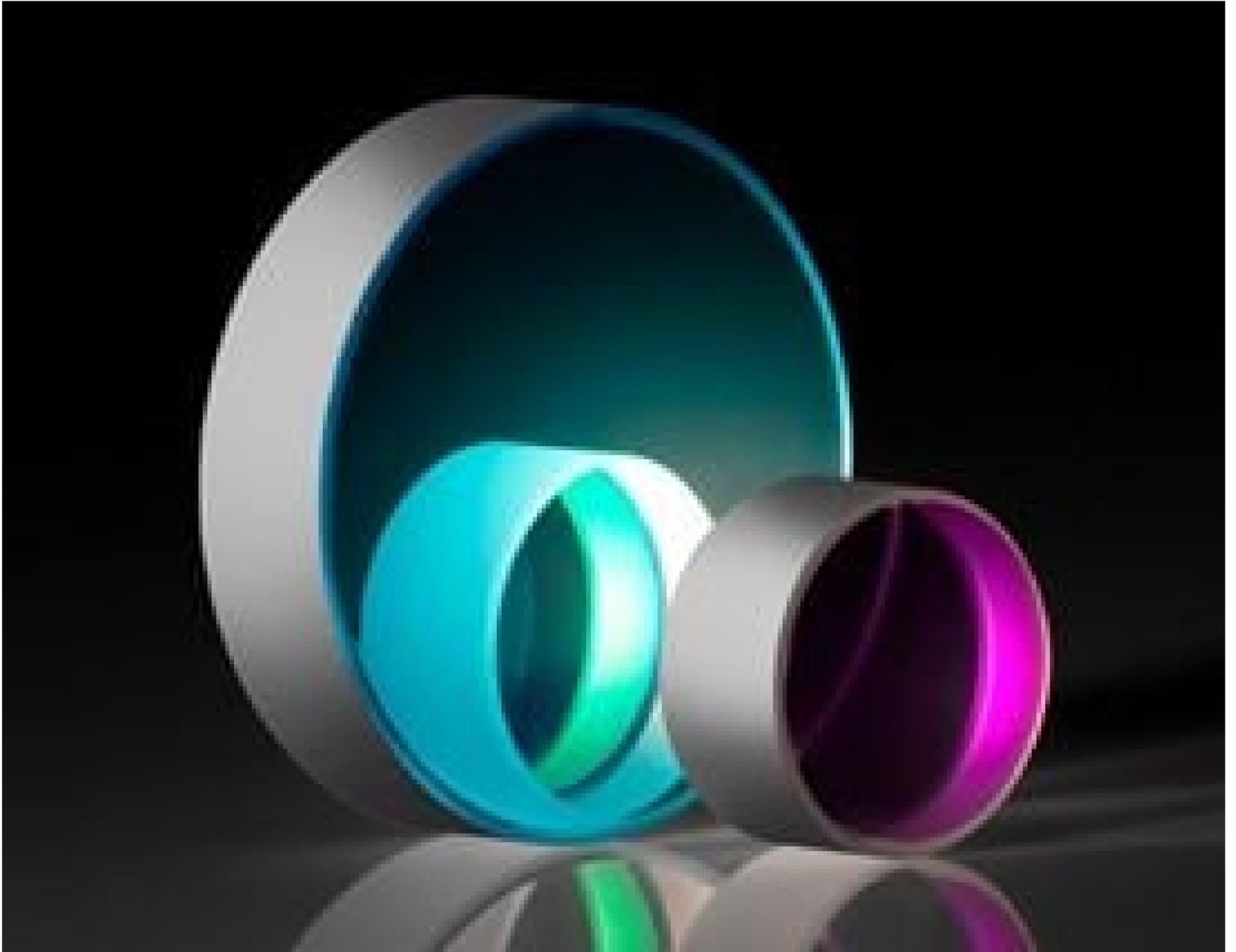


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## 12.7mm Dia. UHR Broadband Dielectric Mirror, 400-750nm



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

C\$351<sup>00</sup>

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### Volume Pricing

Qty 1+	C\$351.40 each
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### Product Downloads

#### General

Flat Mirror **Type:**

#### Physical & Mechanical Properties

12.70 +0.00/-0.10 **Diameter (mm):**

11.7 **Clear Aperture CA (mm):**

Ground **Edges:**

**Parallelism (arcmin):**

6.35 ±0.20 **Thickness (mm):**

### Optical Properties

**Surface Flatness (P-V):**  
λ/10

**Substrate:**   
[Fused Silica](#) (Corning 7980)

**Surface Quality:**  
10-5

**Coating Specification:**  
R<sub>avg</sub> >99.9% @400 - 750nm (45°, s-pol)  
R<sub>avg</sub> >99.8% @410 - 750nm (45°, p-pol)

**Coating:**  
UHR Dielectric Mirror (400-750nm)

**Coating Type:**  
Dielectric

**Angle of Incidence (°):**  
45

**Wavelength Range (nm):**  
400 - 750

### Regulatory Compliance

**Certificate of Conformance:**  
[View](#)

## 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

