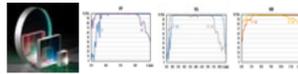
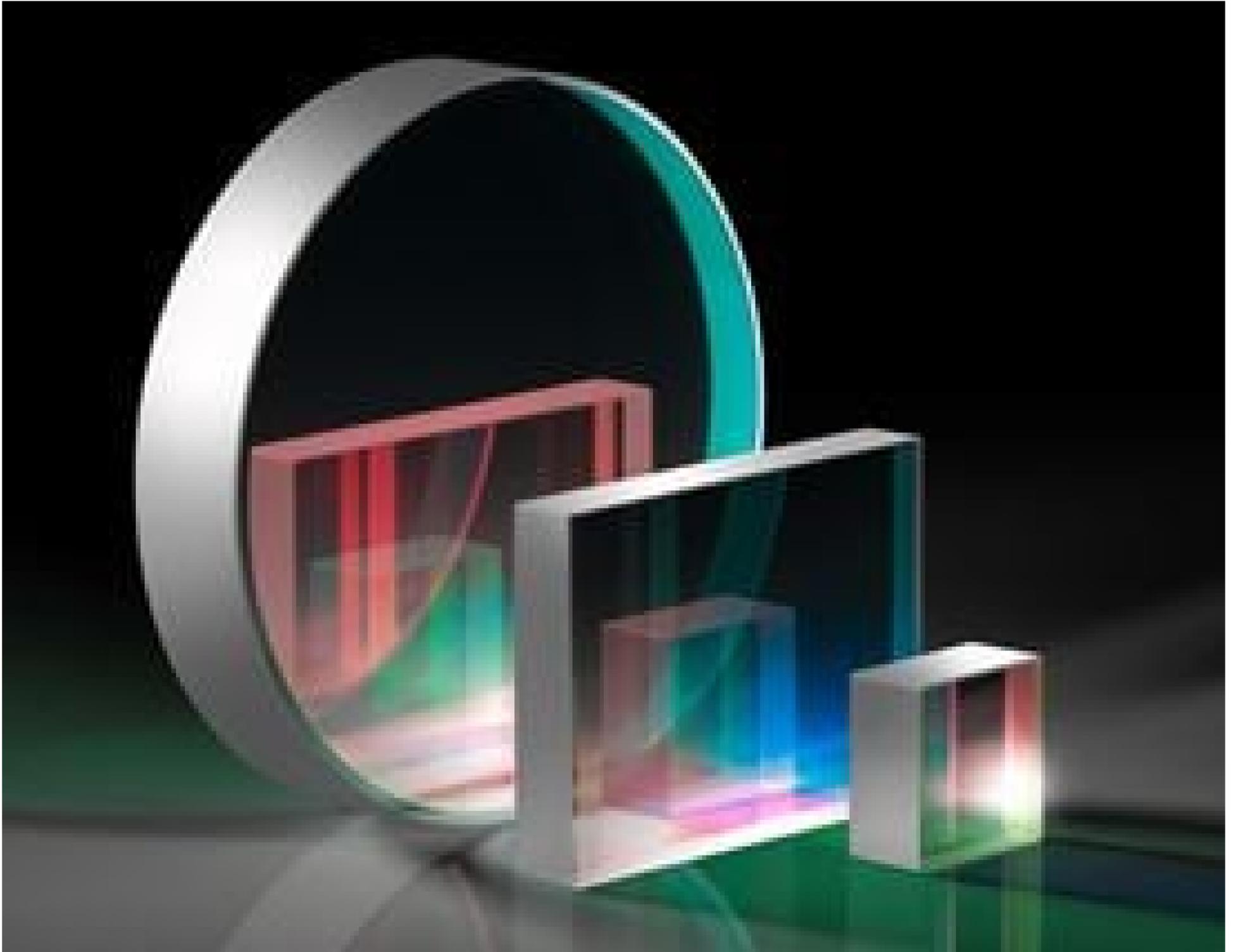


**TECHSPEC® 12.7mm Dia. 320 - 450nm Broadband  $\lambda/10$  Mirror**



Stock #39-389 **11 In Stock**

⊖ 1 ⊕ C\$175<sup>00</sup>

**ADD TO CART**

Volume Pricing	
Qty 1-5	C\$175.00 each
Qty 6-25	C\$140.00 each
Qty 26-49	C\$131.25 each
Need More?	<a href="#">Request Quote</a>

Product Downloads

**General**

Flat Mirror **Type:**

**Physical & Mechanical Properties**

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

Commercial Polish	<b>Back Surface:</b>
90	<b>Clear Aperture (%):</b>
Ground, 0.5mm max bevel	<b>Edges:</b>
<3	<b>Parallelism (arcmin):</b>
6.35 ±0.20	<b>Thickness (mm):</b>

## Optical Properties

Dielectric Mirror (320-450nm)	<b>Coating:</b>
R <sub>avg</sub> >98% @ 340 - 488nm (0°, All Polarizations) R <sub>avg</sub> >98% @ 320 - 450nm (45°, All Polarizations) R <sub>avg</sub> >99% @ 320 - 450nm (45°, S-Polarization)	<b>Coating Specification:</b>
320 - 450	<b>Wavelength Range (nm):</b>
λ/10	<b>Surface Flatness (P-V):</b>
<a href="#">Fused Silica</a> (Corning 7980)	<b>Substrate:</b> <input type="checkbox"/>
20-10	<b>Surface Quality:</b>
Dielectric	<b>Coating Type:</b>
0-45	<b>Angle of Incidence (°):</b>
0.5 J/cm <sup>2</sup> @ 355nm, 20ns, 20Hz	<b>Damage Threshold, By Design:</b> <input type="checkbox"/>

## Regulatory Compliance

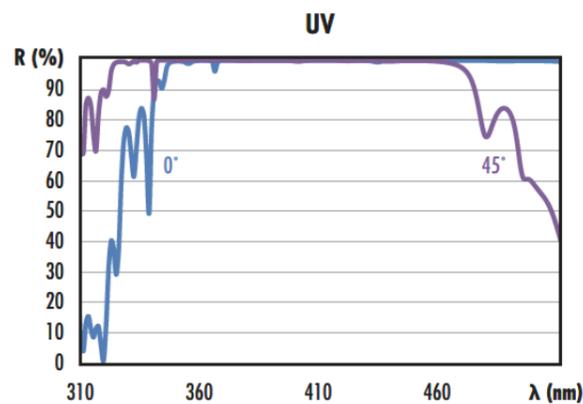
<a href="#">Compliant</a>	<b>RoHS 2015:</b>
<a href="#">Compliant</a>	<b>Reach 209:</b>
<a href="#">View</a>	<b>Certificate of Conformance:</b>

## Product Details

- Enhanced Reflectivity and LIDT over Metallic Coatings
- Average Reflectivity >99% Over Broad UV, Visible, and NIR Wavelengths
- Designed for all Polarization States from 0 – 45° AOI

TECHSPEC® Broadband Dielectric λ/10 Mirrors are ideal for beam steering or reflection applications utilizing multiple laser sources. These mirrors feature greater than 99% reflection, significantly better than metal-coated mirrors, and increase system performance by minimizing energy loss. The highly durable fused silica substrate offers a low thermal expansion coefficient and a high abrasion resistance. TECHSPEC® Broadband Dielectric λ/10 Mirrors are designed for applications from the UV to the near-infrared spectra.

## Technical Information



## Custom

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness

- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

## Compatible Mounts

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