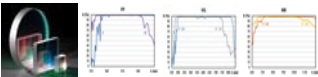
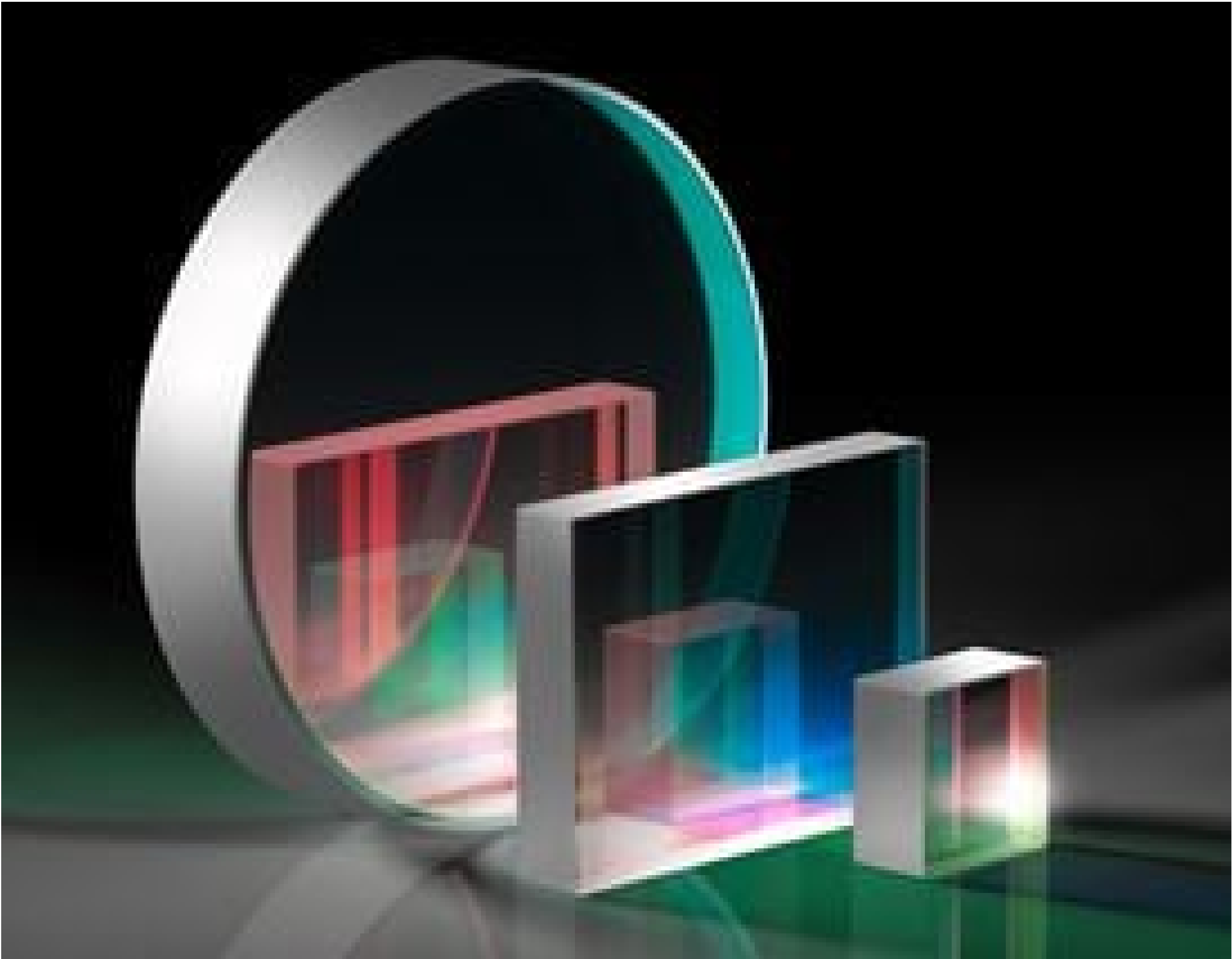


TECHSPEC<sup>®</sup> 25 x 35mm 320 - 450nm Broadband  $\lambda/10$  Mirror



Stock **#29-345** 4 In Stock

-

1

+

S\$250<sup>91</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | <b>S\$250.91</b> each         |
| Qty 6-25       | <b>S\$200.88</b> each         |
| Qty 26-49      | <b>S\$188.18</b> each         |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

SPECIFICATIONS

General

Flat Mirror

Type:

| Physical & Mechanical Properties                                                                                                                                                         |                                          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| Commercial Polish                                                                                                                                                                        | Back Surface:                            |
| 25.00 x 35.00 +0.00/-0.20                                                                                                                                                                | Dimensions (mm):                         |
| 90                                                                                                                                                                                       | Clear Aperture (%):                      |
| Ground, 0.5mm max bevel                                                                                                                                                                  | Edges:                                   |
| <30                                                                                                                                                                                      | Parallelism (arcsec):                    |
| 5.00 ±0.20                                                                                                                                                                               | Thickness (mm):                          |
| Optical Properties                                                                                                                                                                       |                                          |
| Dielectric Mirror (320-450nm)                                                                                                                                                            | Coating:                                 |
| R <sub>avg</sub> ≥98% @ 340 - 488nm (0°, All Polarizations)<br>R <sub>avg</sub> ≥98% @ 320 - 450nm (45°, All Polarizations)<br>R <sub>avg</sub> >99% @ 320 - 450nm (45°, S-Polarization) | Coating Specification:                   |
|                                                                                                                                                                                          |                                          |
|                                                                                                                                                                                          |                                          |
|                                                                                                                                                                                          |                                          |
| 320 - 450                                                                                                                                                                                | Wavelength Range (nm):                   |
| λ/10                                                                                                                                                                                     | Surface Flatness (P-V):                  |
| Fused Silica (Corning 7980)                                                                                                                                                              | Substrate: <div></div>                   |
| 20-10                                                                                                                                                                                    | Surface Quality:                         |
| Dielectric                                                                                                                                                                               | Coating Type:                            |
| 0-45                                                                                                                                                                                     | Angle of Incidence (°):                  |
| 0.5 J/cm2 @ 355nm, 20ns, 20Hz                                                                                                                                                            | Damage Threshold, By Design: <div></div> |
| Regulatory Compliance                                                                                                                                                                    |                                          |
| View                                                                                                                                                                                     | Certificate of Conformance:              |

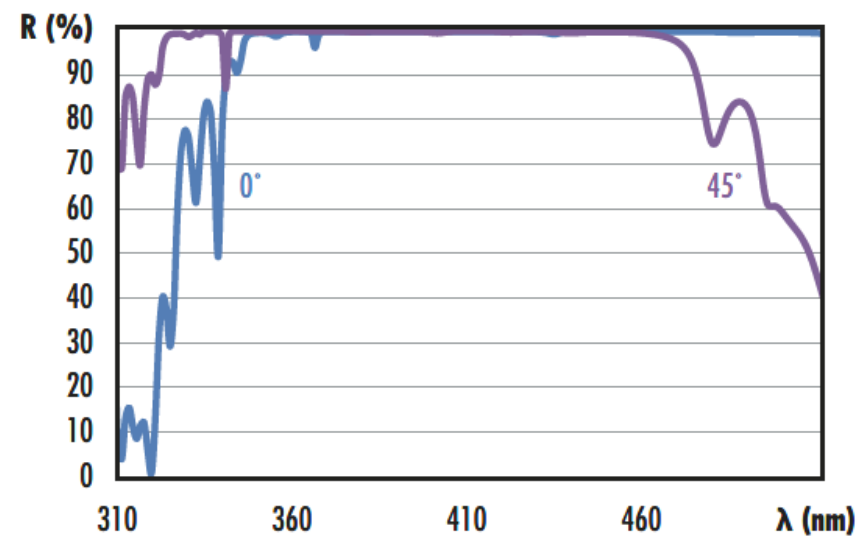
## PRODUCT DETAILS

- 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

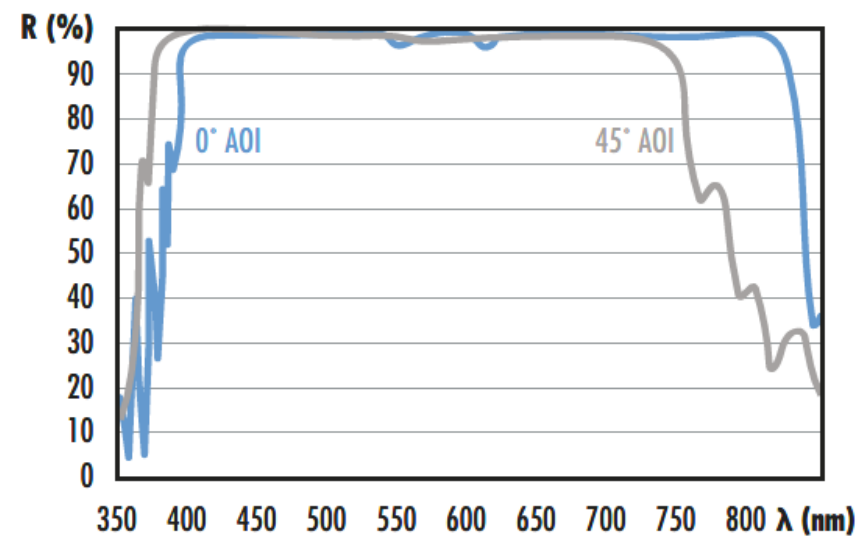
TECHSPEC® Broadband Dielectric λ/10 Mirrors are ideal for beam steering or reflection applications utilizing multiple laser sources. These mirrors feature greater than 99% reflection, significantly better than metal-coated mirrors, and increase system performance by minimizing energy loss. The highly 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

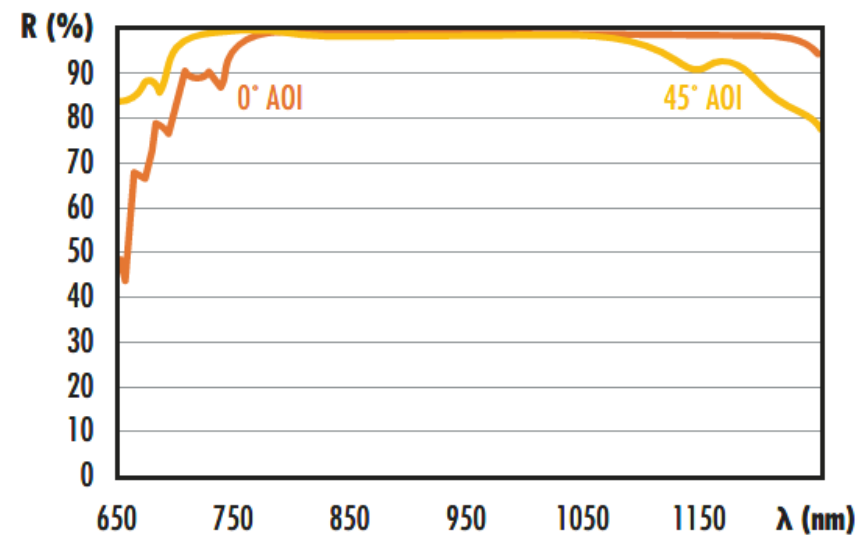
## UV



## VIS



## NIR



## 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](#).