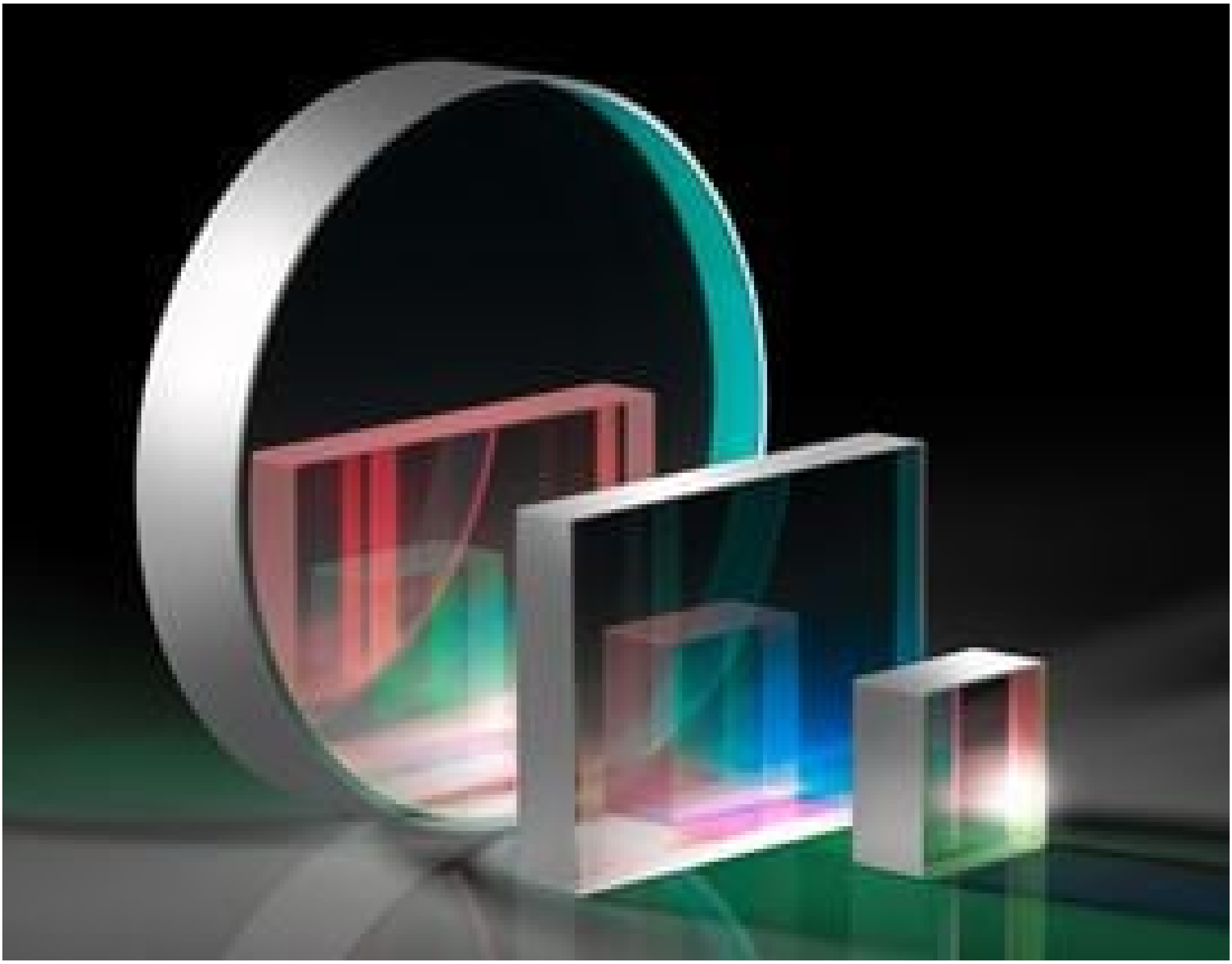
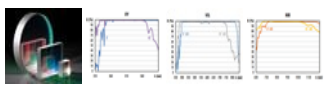
TECHSPEC 100 x 100mm, 320 - 450nm Broadband λ/10 Mirror





Stock **#29-911** **1 In Stock**

- 1 + **S$1,799**.00

ADD TO CART

Volume Pricing	
Qty 1-5	**S$1,799.00** each
Qty 6-25	**S$1,442.00** each
Qty 26-49	**S$1,351.00** each
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SPECIFICATIONS

General

Type:

Flat Mirror

Physical & Mechanical Properties

Back Surface:
Commercial Polish

Dimensions (mm):
100.00 x 100.00 +0.00/-0.20

Clear Aperture (%):
90

Edges:
Ground, 0.5mm max bevel

Parallelism (arcmin):
<0.5

Parallelism (arcsec):
30

Thickness (mm):
10.00 ±0.20

Optical Properties

Coating:
Dielectric Mirror (320-450nm)

Coating Specification:
R_{avg} >98% @ 340 - 488nm (0°, All Polarizations)
R_{avg} >98% @ 320 - 450nm (45°, All Polarizations)
R_{avg} >99% @ 320 - 450nm (45°, S-Polarization)

Wavelength Range (nm):
320 - 450

Surface Flatness (P-V):
λ/10

Substrate:
Fused Silica (Corning 7980)

Surface Quality:
20-10

Coating Type:
Dielectric

Angle of Incidence (°):
0-45

Damage Threshold, By Design:
0.5 J/cm^2 @ 355nm, 20ns, 20Hz

Regulatory Compliance

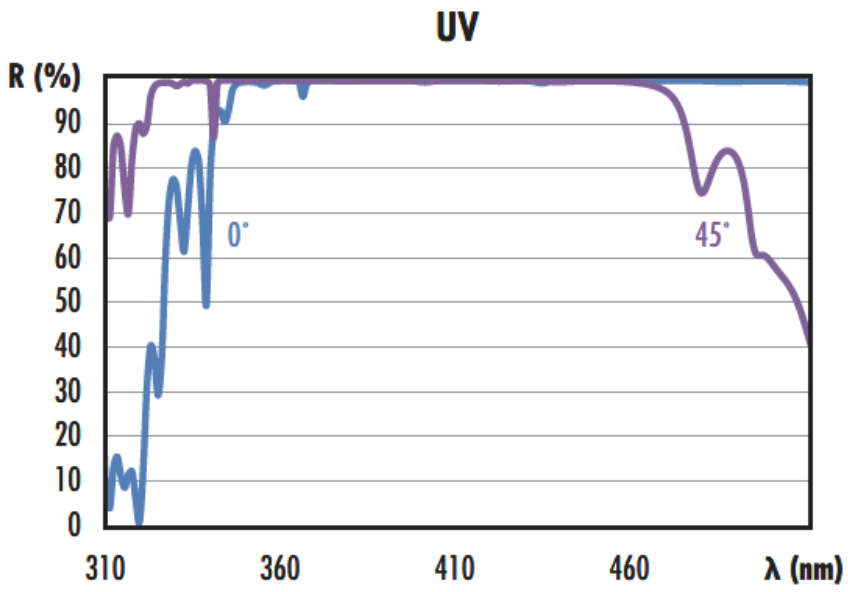
Certificate of Conformance:
View

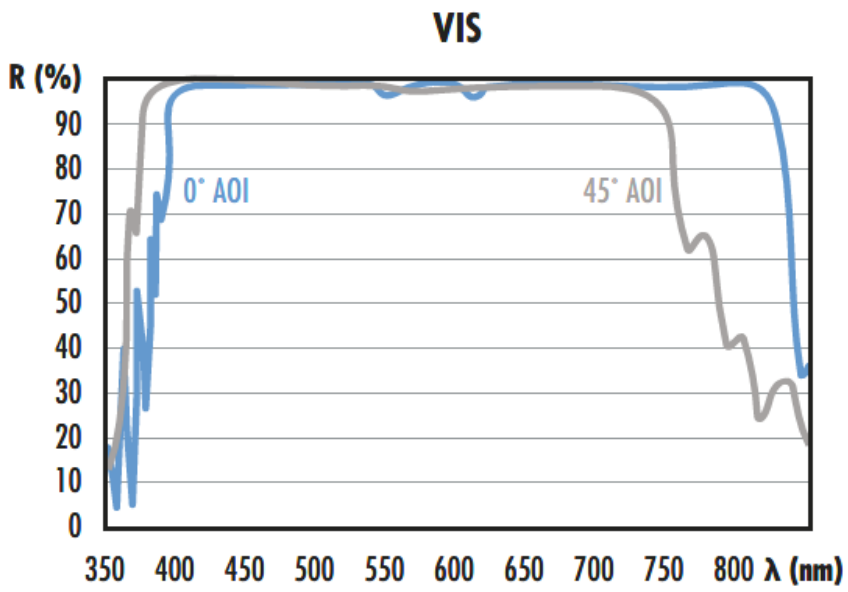
PRODUCT DETAILS

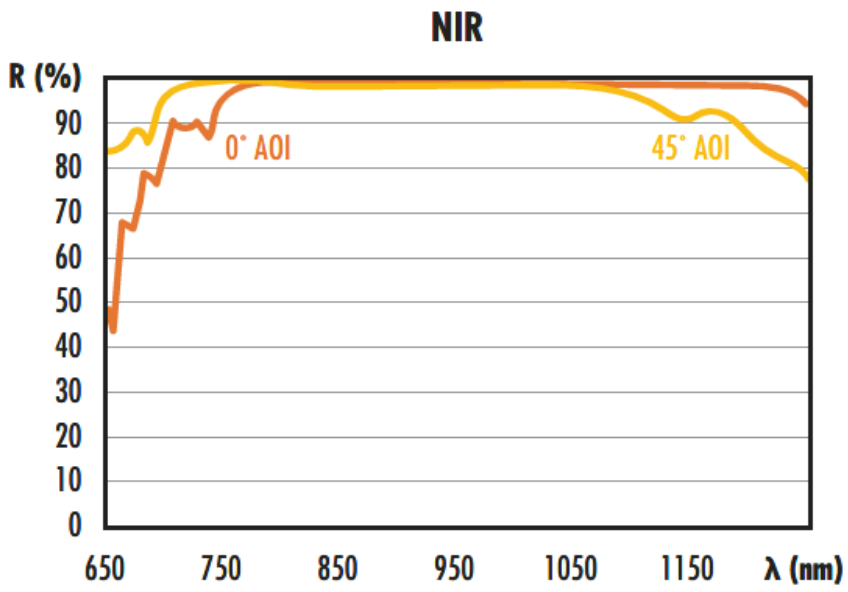
- Enhanced Reflectivity and LIDT over Metallic Coatings
- Average Reflectivity >99% Over Broad UV, Visible, and NIR Wavelengths
- Designed for all Polarization States from 0 – 45° AOI

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.**