

TECHSPEC[®] 75mm Dia. 400 - 750nm Broadband λ /10 Mirror



Stock **#24-047** 5 In Stock

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1

+

₹45,153

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Volume Pricing	
Qty 1-5	₹45,153 each
Qty 6-25	₹36,122 each
Qty 26-49	₹33,865 each
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General

Type:
Flat Mirror

Physical & Mechanical Properties

Diameter (mm):
75.00 +0.00/-0.20

7.50 ±0.20	Thickness (mm):
Commercial Polish	Back Surface:
90	Clear Aperture (%):
Ground, 0.5mm max bevel	Edges:
<3	Parallelism (arcmin):

Optical Properties

Dielectric	Coating Type:
Dielectric Mirror (400-750nm)	Coating:
λ/10	Surface Flatness (P-V):
400 - 750	Wavelength Range (nm):
Fused Silica (Corning 7980)	Substrate: ☐
0-45	Angle of Incidence (°):
R _{avg} >98% @ 400 - 750nm (0 - 45°) R _{avg} >99% @ 400 - 750nm (0°)	Coating Specification:
20-10	Surface Quality:
0.5 J/cm² @ 532nm, 20ns, 20Hz	Damage Threshold, Reference: ☐

Regulatory Compliance

View	Certificate of Conformance:
United States	Country of Origin:
Edmund Optics India Private Limited	Imported By:

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](#).

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



Compatible Mounts