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TECHSPEC® 50 x 50mm, 320 - 450nm Broadband $\lambda/10$ Mirror



Stock **#29-909** **7 In Stock**

1 MRP ₹28,653

Price inclusive of all taxes

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Volume Pricing	
Qty 1-5	₹28,653 each
Qty 6-25	₹22,903 each
Qty 26-49	₹21,490 each
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Product Downloads

General

Flat Mirror **Type:**

Physical & Mechanical Properties

5.00 ±0.20 **Thickness (mm):**

50.00 x 50.00 +0.00/-0.20	Dimensions (mm):
Commercial Polish	Back Surface:
90	Clear Aperture (%):
Ground, 0.5mm max bevel	Edges:
<0.5	Parallelism (arcmin):
30	Parallelism (arcsec):
Optical Properties	
Dielectric	Coating Type:
Dielectric Mirror (320-450nm)	Coating:
M10	Surface Flatness (P-V):
320 - 450	Wavelength Range (nm):
Fused Silica (Corning 7980)	Substrate: <input type="checkbox"/>
0-45	Angle of Incidence (°):
R _{avg} >98% @ 340 - 488nm (0°, All Polarizations) R _{avg} >98% @ 320 - 450nm (45°, All Polarizations) R _{avg} >99% @ 320 - 450nm (45°, S-Polarization)	Coating Specification:
20-10	Surface Quality:
0.5 J/cm ² @ 355nm, 20ns, 20Hz	Damage Threshold, By Design: <input type="checkbox"/>

Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 253:
United States	Country of Origin:
Edmund Optics India Private Limited 267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038 Phone: +91- 80-6845 0000	Imported By:

Need different specs or modifications?

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 M10 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 M10 Mirrors are designed for applications from the UV to the near-infrared spectra.

Technical Information



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