

TECHSPEC[®] 50mm Dia. 750 - 1100nm Broadband λ /10 Mirror



Stock **#33-189** **9 In Stock**

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1

+

£191²⁰

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Volume Pricing	
Qty 1-5	£191.20 each
Qty 6-25	£152.80 each
Qty 26-49	£144.00 each
Need More?	Request Quote

i Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:

Flat Mirror

Physical & Mechanical Properties

Diameter (mm):

50.00 +0.00/-0.20	
10.00 ±0.20	Thickness (mm):
Fine Grind	Back Surface:
90	Clear Aperture (%):
Ground, protective bevel as needed	Edges:
<0.5	Parallelism (arcmin):

Optical Properties	
Dielectric	Coating Type:
Dielectric Mirror (750-1100nm)	Coating:
λ/10	Surface Flatness (P-V):
750 - 1100	Wavelength Range (nm):
Fused Silica (Corning 7980)	Substrate: □
0-45	Angle of Incidence (°):
R _{avg} >98% @ 750 - 1100nm (0 - 45°) R _{avg} >99% @ 750 - 1100nm (0°)	Coating Specification:
20-10	Surface Quality:
1 J/cm² @ 1064nm, 20ns, 20Hz	Damage Threshold, Reference: □

Regulatory Compliance	
View	Certificate of Conformance:

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

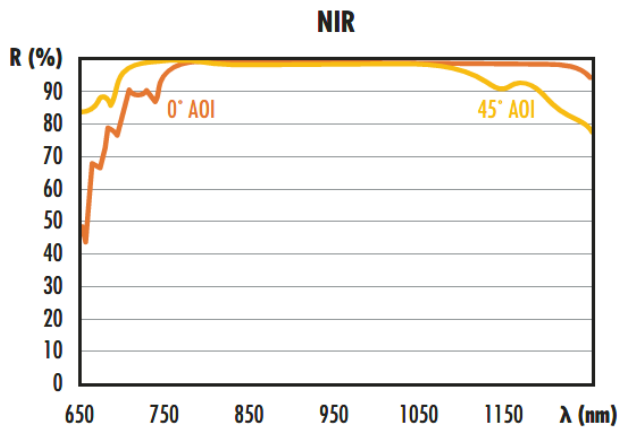
Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

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

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