

TECHSPEC[®] 12.7mm Dia. 400 - 750nm Broadband λ /10 Mirror



Stock **#39-198** 20+ In Stock

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1

+

€92⁰⁰

ADD TO CART

Volume Pricing	
Qty 1-5	€92,00 each
Qty 6-25	€74,00 each
Qty 26-49	€69,00 each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:
Flat Mirror

Physical & Mechanical Properties

Diameter (mm):

12.70 +0.00/-0.10	
6.35 ±0.20	Thickness (mm):
Commercial Polish	Back Surface:
90	Clear Aperture (%):
Ground, 0.5mm max bevel	Edges:
<3	Parallelism (arcmin):

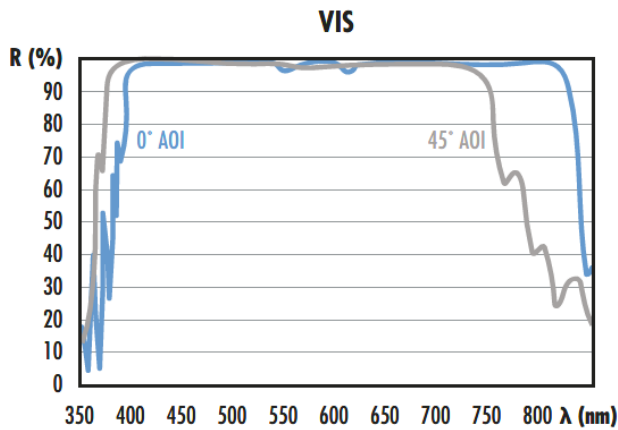
Optical Properties	
Dielectric	Coating Type:
Dielectric Mirror (400-750nm)	Coating:
λ/10	Surface Flatness (P-V):
400 - 750	Wavelength Range (nm):
Fused Silica (Corning 7980)	Substrate: □
0-45	Angle of Incidence (°):
R _{avg} >98% @400 - 750nm (0 - 45°) R _{avg} >99% @400 - 750nm (0°)	Coating Specification:
20-10	Surface Quality:
0.5 J/cm ² @ 532nm, 20ns, 20Hz	Damage Threshold, Reference: □

Regulatory Compliance	
Compliant	RoHS 2015:
Compliant	Reach 209:
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



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](#).

Compatible Mounts

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