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TECHSPEC[®]

12.5mm Dia. 400 - 750nm Broadband λ /4 Mirror



Broadband Dielectric λ /4 Mirrors

Stock **#70-667** **1 In Stock**

-

1

+

€69⁵⁰

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Volume Pricing	
Qty 1-5	€69,50 each
Qty 6-25	€55,50 each
Qty 26-49	€52,00 each
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i Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Flat Mirror

Type:

Physical & Mechanical Properties

12.50 +0.00/-0.25

Diameter (mm):

Back Surface:

Commercial Polish	
90	Clear Aperture (%):
11.25	Clear Aperture CA (mm):
Ground	Edges:
5	Parallelism (arcmin):
Thickness (mm):	
2.00 ±0.25	

Optical Properties

Coating:	
Dielectric Mirror (400-750nm)	
Coating Specification: R _{avg} >98% @400 - 750nm (0-45°, All Polarizations) R _{avg} >99% @400 - 750nm (0-45°, S-Polarizations)	
Wavelength Range (nm):	
400 - 750	
Surface Flatness (P-V):	
λ/4 (typical)	
Substrate: ☐	
BOROFLOAT®	
Surface Quality:	
60-40	
Coating Type:	
Dielectric	
Angle of Incidence (°):	
0-45	
Damage Threshold, By Design: ☐	
0.5 J/cm ² @ 532nm, 20ns, 20Hz	

Regulatory Compliance

Certificate of Conformance:	
View	

Product Details

- Enhanced Reflectivity and LDT over Metallic Coatings
 - Average Reflectivity >99% from 400 – 750nm
 - Designed for all Polarization States at 0 – 45° AOI
 - λ/10 Versions Available
- TECHSPEC® Broadband Dielectric λ/4 Mirrors feature a high laser damage threshold of 0.5 J/cm² @ 532nm, 20ns pulse, at 20Hz as well as a >99% reflection from 400 – 750nm across all polarization states. Constructed from highly durable BOROFLOAT® substrates, these mirrors feature outstanding thermal and high chemical durability making them ideal for high temperature and harsh environment applications. TECHSPEC® Broadband Dielectric λ/4 Mirrors are available in a variety of diameters from 12.5 - 50mm. A low-cost alternative to our precision polished [TECHSPEC Broadband Dielectric λ/10 Mirrors](#), these mirrors are ideal for spectroscopy, microscopy, and general laboratory use such as beam steering or reflection applications utilizing multiple laser sources.
- Note:** Surface Flatness is measured pre-coating and deviations may appear after the coating has been applied. For applications where surface flatness is critical it is recommended it is recommended to use the [TECHSPEC® Broadband Dielectric λ/10 Mirrors](#).