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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

+

£55⁰⁰

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Volume Pricing	
Qty 1-5	£55.60 each
Qty 6-25	£44.40 each
Qty 26-49	£41.60 each
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Product Downloads

General

Flat Mirror

Type:

Physical & Mechanical Properties

12.50 +0.00/-0.25

Diameter (mm):

Thickness (mm):

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

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

Regulatory Compliance	
View	Certificate of Conformance:

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](#).