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TECHSPEC® 15mm Dia. 400 - 750nm Broadband λ/4 Mirror

Broadband Dielectric λ/4 Mirrors

Stock **#70-669** **14 In Stock**

- 1 + **£69.60**

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Volume Pricing	
Qty 1-5	**£69.60** each
Qty 6-25	**£55.60** each
Qty 26-49	**£52.00** each
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Product Downloads

General

Type:

Flat Mirror

Physical & Mechanical Properties

Diameter (mm):

15.00 +0.00/-0.25

Thickness (mm):

2.00 ±0.25

Back Surface:
Commercial Polish

Clear Aperture (%):
90

Clear Aperture CA (mm):
13.50

Edges:
Ground

Parallelism (arcmin):
5

Optical Properties

Coating Type:
Dielectric

Coating:
Dielectric Mirror (400-750nm)

Surface Flatness (P-V):
λ/4 (typical)

Wavelength Range (nm):
400 - 750

Substrate:
BOROFLOAT®

Angle of Incidence (°):
0-45

Coating Specification:
R_{avg} >98% @ 400 - 750nm (0-45°, All Polarizations)
R_{avg} >99% @ 400 - 750nm (0-45°, S-Polarizations)

Surface Quality:
60-40

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/cm^2 @ 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**.

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