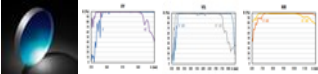


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TECHSPEC®

1" Dia, 3" FL 320-450nm, Spherical Mirror



Stock #72-962 8 In Stock

-

1

+

€186⁰⁰

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Volume Pricing	
Qty 1-5	€186,00 each
Qty 6-24	€148,00 each
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Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:

Spherical Mirror

Physical & Mechanical Properties

Diameter (mm):

25.40 +0/-0.3

	Back Surface:
Ground	
	Diameter (inches):
1.0	
	Diameter Tolerance (inches):
+0/-0.01	
	Edge Thickness ET (inches):
0.25	
	Edge Thickness ET (mm):
6.35	
	Edge Thickness Tolerance (%):
+0.0/-15	

Optical Properties	
	Coating Type:
Dielectric	
	Coating:
Dielectric Mirror (320-450nm)	
	Wavelength Range (nm):
320 - 450	
	Effective Focal Length EFL (mm):
76.20	
	Substrate: ☐
BOROFLOAT®	
	Aperture (f/#):
f/3	
	Coating Specification:
R _{avg} >98% @ 340 - 488nm (0°, All Polarizations)	
R _{avg} >98% @ 320 - 450nm (45°, All Polarizations)	
R _{avg} >99% @ 320 - 450nm (45°, S-Polarization)	
	Effective Focal Length EFL (inches):
3.00	
	Focal Length Tolerance (%):
±2	
	Surface Accuracy:
λ/4	
	Surface Quality:
60-40	
	Damage Threshold, By Design: ☐
0.5 J/cm² @ 355nm, 20ns, 20Hz	
	Radius of Curvature (mm):
152.40	

Regulatory Compliance	
	Certificate of Conformance:
View	

Product Details

- Ideal for Multispectral Focusing Applications
- Average Reflectivity >99% Over Broad UV, Visible, and NIR Wavelengths
- Multiple Sizes Available

TECHSPEC® Broadband Dielectric Spherical Mirrors are ideal for light collection in multispectral imaging applications. These mirrors feature greater than 99% reflection, significantly better than metal-coated mirrors, and increase system performance by minimizing energy loss. ABOROFLOAT® substrate provides a good combination of performance and value. TECHSPEC® Broadband Dielectric Spherical Mirrors are available in diameters ranging from 25.4 to 152.4mm for ease of system integration. These mirrors collect and focus light without introducing chromatic aberration.

Technical Information

