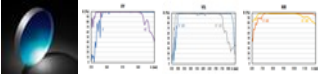


TECHSPEC[®] 1" Dia, 1" FL 750-1100nm, Spherical Mirror



Stock **#73-000** 12 In Stock

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1

+

C\$228²⁰

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Volume Pricing	
Qty 1-5	C\$228.20 each
Qty 6-24	C\$182.00 each
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Product Downloads

General	
Spherical Mirror	Type:
Physical & Mechanical Properties	
25.40 +0/-0.3	Diameter (mm):
Ground	Back Surface:

1.0	Diameter (inches):
+0/-0.01	Diameter Tolerance (inches):

0.25	Edge Thickness ET (inches):
6.35	Edge Thickness ET (mm):

+0.0/-15	Edge Thickness Tolerance (%):
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Optical Properties

Dielectric	Coating Type:
Dielectric Mirror (750-1100nm)	Coating:

750 - 1100	Wavelength Range (nm):
25.40	Effective Focal Length EFL (mm):

BOROFLOAT®	Substrate: ☐
f/1	Aperture (f/#):

R _{avg} >98% @ 750 - 1100nm (0 - 45°) R _{avg} >99% @ 750 - 1100nm (0°)	Coating Specification:
1.00	Effective Focal Length EFL (inches):

±2	Focal Length Tolerance (%):
λ/4	Surface Accuracy:

60-40	Surface Quality:
1 J/cm² @ 1064nm, 20ns, 20Hz	Damage Threshold, By Design: ☐

50.80	Radius of Curvature (mm):
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Regulatory Compliance

View	Certificate of Conformance:
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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

