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



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

⊖ 1 ⊕ €163⁰⁰

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Volume Pricing	
Qty 1-5	€163,00 each
Qty 6-24	€130,00 each
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ⓘ Prices shown are exclusive of VAT/local taxes

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 (%):

Optical Properties

Dielectric	Coating Type:
Dielectric Mirror (750-1100nm)	Coating:
750 - 1100	Wavelength Range (nm):
25.40	Effective Focal Length EFL (mm):
BOROFLOAT®	Substrate: <input type="checkbox"/>
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/cm ² @ 1064nm, 20ns, 20Hz	Damage Threshold, By Design: <input type="checkbox"/>
50.80	Radius of Curvature (mm):

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. A BOROFLOAT® 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



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