

**TECHSPEC® 1" Dia, 1" FL 400-750nm, Spherical Mirror**



Stock #72-980 **13 In Stock**

⊖ 1 ⊕ C\$228<sup>00</sup>

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Volume Pricing	
Qty 1-5	C\$228.20 each
Qty 6-24	C\$182.00 each
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**General**

Spherical Mirror **Type:**

**Physical & Mechanical Properties**

25.40 +0/-0.3 **Diameter (mm):**

Ground **Back Surface:**

1.0	<b>Diameter (inches):</b>
+0/-0.01	<b>Diameter Tolerance (inches):</b>
0.25	<b>Edge Thickness ET (inches):</b>
6.35	<b>Edge Thickness ET (mm):</b>
+0.0/-15	<b>Edge Thickness Tolerance (%):</b>

## Optical Properties

Dielectric	<b>Coating Type:</b>
Dielectric Mirror (400-750nm)	<b>Coating:</b>
400 - 750	<b>Wavelength Range (nm):</b>
25.40	<b>Effective Focal Length EFL (mm):</b>
BOROFLOAT®	<b>Substrate:</b> <input type="checkbox"/>
f/1	<b>Aperture (f#):</b>
R <sub>avg</sub> >98% @400 - 750nm (0 - 45°) R <sub>avg</sub> >99% @400 - 750nm (0°)	<b>Coating Specification:</b>
1.00	<b>Effective Focal Length EFL (inches):</b>
±2	<b>Focal Length Tolerance (%):</b>
λ/4	<b>Surface Accuracy:</b>
60-40	<b>Surface Quality:</b>
0.5 J/cm <sup>2</sup> @ 532nm, 20ns, 20Hz	<b>Damage Threshold, By Design:</b> <input type="checkbox"/>
50.80	<b>Radius of Curvature (mm):</b>

## Regulatory Compliance

<a href="#">View</a>	<b>Certificate of Conformance:</b>
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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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