

**TECHSPEC® 2" Dia, 12" FL 320-450nm, Spherical Mirror**



Stock **#72-970** **4 In Stock**

⊖ 1 ⊕ C\$420<sup>00</sup>

**ADD TO CART**

Volume Pricing	
Qty 1-5	C\$420.00 each
Qty 6-24	C\$336.00 each
Need More?	<a href="#">Request Quote</a>

Product Downloads

**General**

Spherical Mirror **Type:**

**Physical & Mechanical Properties**

50.80 +0.5/-0 **Diameter (mm):**

Ground **Back Surface:**

2.0	<b>Diameter (inches):</b>
+0.02/-0	<b>Diameter Tolerance (inches):</b>
0.50	<b>Edge Thickness ET (inches):</b>
12.70	<b>Edge Thickness ET (mm):</b>
+0.0/-15	<b>Edge Thickness Tolerance (%):</b>
<b>Optical Properties</b>	
Dielectric	<b>Coating Type:</b>
Dielectric Mirror (320-450nm)	<b>Coating:</b>
320 - 450	<b>Wavelength Range (nm):</b>
304.80	<b>Effective Focal Length EFL (mm):</b>
BOROFLOAT®	<b>Substrate:</b> <input type="checkbox"/>
f/6	<b>Aperture (f#):</b>
<b>Coating Specification:</b>	
R <sub>avg</sub> >98% @ 340 - 488nm (0°, All Polarizations)	
R <sub>avg</sub> >98% @ 320 - 450nm (45°, All Polarizations)	
R <sub>avg</sub> >99% @ 320 - 450nm (45°, S-Polarization)	
12.00	<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> @ 355nm, 20ns, 20Hz	<b>Damage Threshold, By Design:</b> <input type="checkbox"/>
609.60	<b>Radius of Curvature (mm):</b>

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

## 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

### UV



### VIS



### NIR

