

**TECHSPEC® 2" Dia, 2" FL 750-1100nm, Spherical Mirror**



Stock **#73-008** **4 In Stock**

⊖ 1 ⊕ **S\$380<sup>00</sup>**

**ADD TO CART**

Volume Pricing	
Qty 1-5	<b>S\$380.80</b> each
Qty 6-24	<b>S\$305.20</b> each
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Product Downloads

**General**

Spherical Mirror **Type:**

**Physical & Mechanical Properties**

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

Ground **Back Surface:**

2.0	Diameter (inches):
+0.02/-0	Diameter Tolerance (inches):
0.50	Edge Thickness ET (inches):
12.70	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):
50.80	Effective Focal Length EFL (mm):
BOROFLOAT®	Substrate: <input type="checkbox"/>
f/1	Aperture (f#):
R <sub>avg</sub> >98% @ 750 - 1100nm (0 - 45°) R <sub>avg</sub> >99% @ 750 - 1100nm (0°)	Coating Specification:
2.00	Effective Focal Length EFL (inches):
±2	Focal Length Tolerance (%):
λ/4	Surface Accuracy:
60-40	Surface Quality:
1 J/cm <sup>2</sup> @ 1064nm, 20ns, 20Hz	Damage Threshold, By Design: <input type="checkbox"/>
101.60	Radius of Curvature (mm):

## Regulatory Compliance

<a href="#">View</a>	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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