

**TECHSPEC® 2" Dia, 4" FL 750-1100nm, Spherical Mirror**



Stock **#73-009** **7 In Stock**

⊖ 1 ⊕ **S\$380<sup>00</sup>**

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

## Optical Properties

|                                                                                             |                                                              |
|---------------------------------------------------------------------------------------------|--------------------------------------------------------------|
| Dielectric                                                                                  | <b>Coating Type:</b>                                         |
| Dielectric Mirror (750-1100nm)                                                              | <b>Coating:</b>                                              |
| 750 - 1100                                                                                  | <b>Wavelength Range (nm):</b>                                |
| 101.60                                                                                      | <b>Effective Focal Length EFL (mm):</b>                      |
| BOROFLOAT®                                                                                  | <b>Substrate:</b> <input type="checkbox"/>                   |
| f/2                                                                                         | <b>Aperture (f#):</b>                                        |
| R <sub>avg</sub> >98% @ 750 - 1100nm (0 - 45°)<br>R <sub>avg</sub> >99% @ 750 - 1100nm (0°) | <b>Coating Specification:</b>                                |
| 4.00                                                                                        | <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>                                      |
| 1 J/cm <sup>2</sup> @ 1064nm, 20ns, 20Hz                                                    | <b>Damage Threshold, By Design:</b> <input type="checkbox"/> |
| 203.20                                                                                      | <b>Radius of Curvature (mm):</b>                             |

## Regulatory Compliance

|                      |                                    |
|----------------------|------------------------------------|
| <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

