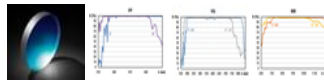


TECHSPEC® 1" Dia, 6" FL 750-1100nm, Spherical Mirror



Stock **#73-006** **11 In Stock**

- 1 + C\$228²⁰

ADD TO CART

| Volume Pricing | |
|----------------|-------------------------------|
| Qty 1-5 | C\$228.20 each |
| Qty 6-24 | C\$182.00 each |
| Need More? | Request Quote |

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): |
| 152.40 | Effective Focal Length EFL (mm): |
| BOROFLOAT® | Substrate: <input type="checkbox"/> |
| f/6 | Aperture (f#): |
| R _{avg} >98% @ 750 - 1100nm (0 - 45°) R _{avg} >99% @ 750 - 1100nm (0°) | Coating Specification: |
| 6.00 | 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"/> |
| 304.80 | Radius of Curvature (mm): |

Regulatory Compliance

| | |
|----------------------|------------------------------------|
| View | Certificate of Conformance: |
|----------------------|------------------------------------|

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. 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

