

TECHSPEC® 3" Dia, 6" FL 750-1100nm, Spherical Mirror



Stock **#73-025** **2 In Stock**

⊖ 1 ⊕ **A\$686⁰⁰**

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| Volume Pricing | |
|----------------|-------------------------------|
| Qty 1-5 | A\$686.40 each |
| Qty 6-24 | A\$547.20 each |
| Need More? | Request Quote |

Product Downloads

General

Spherical Mirror **Type:**

Physical & Mechanical Properties

76.20 +1.0/-0 **Diameter (mm):**

Ground **Back Surface:**

| | |
|----------|--------------------------------------|
| 3.0 | Diameter (inches): |
| +0.04/-0 | Diameter Tolerance (inches): |
| 0.50 | Edge Thickness ET (inches): |
| 12.70 | Edge Thickness ET (mm): |
| +0.0/-15 | Edge Thickness Tolerance (%): |

Optical Properties

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|---|--|
| 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/2 | 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. 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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