

[See all 60 Products in Family](#)

**TECHSPEC® 3" Dia, 12" FL 750-1100nm, Spherical Mirror**



Stock **#73-027** **3 In Stock**

⊖ 1 ⊕ **S\$600<sup>00</sup>**

**ADD TO CART**

Volume Pricing	
Qty 1-5	<b>S\$600.60</b> each
Qty 6-24	<b>S\$478.80</b> each
Need More?	<a href="#">Request Quote</a>

Product Downloads

**General**

Spherical Mirror **Type:**

**Physical & Mechanical Properties**

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

Ground **Back Surface:**

3.0	<b>Diameter (inches):</b>
+0.04/-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>
304.80	<b>Effective Focal Length EFL (mm):</b>
BOROFLOAT®	<b>Substrate:</b> <input type="checkbox"/>
f/4	<b>Aperture (f#):</b>
R <sub>avg</sub> >98% @ 750 - 1100nm (0 - 45°) R <sub>avg</sub> >99% @ 750 - 1100nm (0°)	<b>Coating Specification:</b>
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>
1 J/cm <sup>2</sup> @ 1064nm, 20ns, 20Hz	<b>Damage Threshold, By Design:</b> <input type="checkbox"/>
609.60	<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



;