

**TECHSPEC® 3" Dia, 12" FL 320-450nm, Spherical Mirror**



Stock **#72-976** **3 In Stock**

⊖ 1 ⊕ **\$649<sup>00</sup>**

**ADD TO CART**

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | <b>\$649.60</b> each          |
| Qty 6-24       | <b>\$519.40</b> each          |
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**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>                         |
| <b>Optical Properties</b>                                    |                                                              |
| Dielectric                                                   | <b>Coating Type:</b>                                         |
| Dielectric Mirror (320-450nm)                                | <b>Coating:</b>                                              |
| 320 - 450                                                    | <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>                                        |
| <b>Coating Specification:</b>                                |                                                              |
| R <sub>avg</sub> >98% @ 340 - 488nm (0°, All Polarizations)  |                                                              |
| R <sub>avg</sub> >98% @ 320 - 450nm (45°, All Polarizations) |                                                              |
| R <sub>avg</sub> >99% @ 320 - 450nm (45°, S-Polarization)    |                                                              |
| 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>                                      |
| 0.5 J/cm <sup>2</sup> @ 355nm, 20ns, 20Hz                    | <b>Damage Threshold, By Design:</b> <input type="checkbox"/> |
| 609.60                                                       | <b>Radius of Curvature (mm):</b>                             |

|                              |                                    |
|------------------------------|------------------------------------|
| <b>Regulatory Compliance</b> |                                    |
| <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

