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TECHSPEC® 6" Dia, 24" FL 320-450nm, Spherical Mirror



Stock **#72-979** **1 In Stock**

⊖ 1 ⊕ €1.310⁰⁰

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| Volume Pricing | |
|----------------|-------------------------------|
| Qty 1-5 | €1.310,00 each |
| Qty 6-24 | €1.048,00 each |
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Spherical Mirror **Type:**

Physical & Mechanical Properties

152.40 +1.5/-0 **Diameter (mm):**

| | |
|----------|--------------------------------------|
| Ground | Back Surface: |
| 6.0 | Diameter (inches): |
| +0.06/-0 | Diameter Tolerance (inches): |
| 1.00 | Edge Thickness ET (inches): |
| 25.40 | Edge Thickness ET (mm): |
| +0.0/-15 | Edge Thickness Tolerance (%): |

Optical Properties

| | |
|--|--|
| Dielectric | Coating Type: |
| Dielectric Mirror (320-450nm) | Coating: |
| 320 - 450 | Wavelength Range (nm): |
| 609.60 | Effective Focal Length EFL (mm): |
| BOROFLOAT®SUPREMAX® | Substrate: <input type="checkbox"/> |
| f/4 | Aperture (f/#): |
| R _{avg} >98% @ 340 - 488nm (0°, All Polarizations) R _{avg} >98% @ 320 - 450nm (45°, All Polarizations) R _{avg} >99% @ 320 - 450nm (45°, S-Polarization) | Coating Specification: |
| 24.00 | Effective Focal Length EFL (inches): |
| ±2 | Focal Length Tolerance (%): |
| λ/4 | Surface Accuracy: |
| 60-40 | Surface Quality: |
| 0.5 J/cm ² @ 355nm, 20ns, 20Hz | Damage Threshold, By Design: <input type="checkbox"/> |
| 1,219.20 | 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



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