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TECHSPEC® 3" Dia, 30" FL 320-450nm, Spherical Mirror



Stock **#72-978** **3 In Stock**

MRP ₹39,041

Price inclusive of all taxes

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| Qty 1-5 | ₹39,041 each |
| Qty 6+ | ₹31,233 each |
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Product Downloads

General

Spherical Mirror **Type:**

Physical & Mechanical Properties

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

Back Surface:

| | |
|----------|--------------------------------------|
| Ground | |
| 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

| | |
|--|--|
| Dielectric | Coating Type: |
| Dielectric Mirror (320-450nm) | Coating: |
| 320 - 450 | Wavelength Range (nm): |
| 762.00 | Effective Focal Length EFL (mm): |
| BOROFLOAT® | Substrate: <input type="checkbox"/> |
| f/10 | 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: |
| 30.00 | 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"/> |
| 1,524.00 | Radius of Curvature (mm): |

Regulatory Compliance

| | |
|--|------------------------------------|
| View | Certificate of Conformance: |
| United States | Country of Origin: |
| Edmund Optics India Private Limited 267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038 Phone: +91-80-6845 0000 | Imported By: |

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

