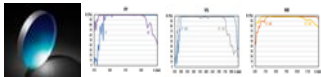


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TECHSPEC®

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



Stock #72-979 1 In Stock

-

1

+

£1,048<sup>00</sup>

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | £1,048.00 each                |
| Qty 6-24       | £838.40 each                  |
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Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:

Spherical Mirror

Physical & Mechanical Properties

Diameter (mm):

152.40 +1.5/-0

|                                                                                                                                                                                          |                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| 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: □                         |
| f/4                                                                                                                                                                                      | Aperture (f/#):                      |
| R <sub>avg</sub> >98% @ 340 - 488nm (0°, All Polarizations)<br>R <sub>avg</sub> >98% @ 320 - 450nm (45°, All Polarizations)<br>R <sub>avg</sub> >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/cm² @ 355nm, 20ns, 20Hz                                                                                                                                                            | Damage Threshold, By Design: □       |
| 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. ABOROFLOAT® 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

