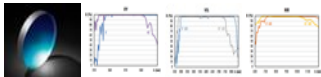


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TECHSPEC<sup>®</sup>

6" Dia, 24" FL 400-750nm, Spherical Mirror



Stock #72-999 1 In Stock

-

1

+

€1.220<sup>00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | €1.220,00 each                |
| Qty 6-24       | €976,00 each                  |
| Need More?     | <a href="#">Request Quote</a> |

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 (400-750nm)                                                             | Coating:                             |
| 400 - 750                                                                                 | Wavelength Range (nm):               |
| 609.60                                                                                    | Effective Focal Length EFL (mm):     |
| BOROFLOAT®SUPREMAX®                                                                       | Substrate: □                         |
| f/4                                                                                       | Aperture (f/#):                      |
| R <sub>avg</sub> >98% @ 400 - 750nm (0 - 45°)<br>R <sub>avg</sub> >99% @ 400 - 750nm (0°) | 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 @ 532nm, 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

