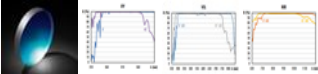


TECHSPEC<sup>®</sup> 2" Dia, 4" FL 320-450nm, Spherical Mirror



Stock **#72-967** 10 In Stock

-

1

+

A\$480<sup>00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | A\$480.00 each                |
| Qty 6-24       | A\$384.00 each                |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

| General                          |                |
|----------------------------------|----------------|
| Spherical Mirror                 | Type:          |
| Physical & Mechanical Properties |                |
| 50.80 +0.5/-0                    | Diameter (mm): |
| Ground                           | Back Surface:  |

|          |                              |
|----------|------------------------------|
| 2.0      | Diameter (inches):           |
| +0.02/-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):           |
| 101.60    | Effective Focal Length EFL (mm): |

|            |                 |
|------------|-----------------|
| BOROFLOAT® | Substrate: □    |
| f/2        | Aperture (f/#): |

|                                                                                                                                                                                                                    |                                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| Coating Specification:<br>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) |                                      |
| 4.00                                                                                                                                                                                                               | 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: □ |

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

