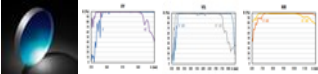


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TECHSPEC<sup>®</sup>

2" Dia, 8" FL 750-1100nm, Spherical Mirror



Stock **#73-011** 4 In Stock

-

1

+

S\$380<sup>00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | S\$380.80 each                |
| Qty 6-24       | S\$305.20 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 (750-1100nm) | Coating:      |

|            |                                  |
|------------|----------------------------------|
| 750 - 1100 | Wavelength Range (nm):           |
| 203.20     | Effective Focal Length EFL (mm): |

|            |                                     |
|------------|-------------------------------------|
| BOROFLOAT® | Substrate: <input type="checkbox"/> |
| f/4        | Aperture (f/#):                     |

|                                                                                             |                                      |
|---------------------------------------------------------------------------------------------|--------------------------------------|
| R <sub>avg</sub> >98% @ 750 - 1100nm (0 - 45°)<br>R <sub>avg</sub> >99% @ 750 - 1100nm (0°) | Coating Specification:               |
| 8.00                                                                                        | Effective Focal Length EFL (inches): |

|     |                             |
|-----|-----------------------------|
| ±2  | Focal Length Tolerance (%): |
| λ/4 | Surface Accuracy:           |

|                              |                                                       |
|------------------------------|-------------------------------------------------------|
| 60-40                        | Surface Quality:                                      |
| 1 J/cm² @ 1064nm, 20ns, 20Hz | Damage Threshold, By Design: <input type="checkbox"/> |

|        |                           |
|--------|---------------------------|
| 406.40 | Radius of Curvature (mm): |
|--------|---------------------------|

Regulatory Compliance

|                      |                             |
|----------------------|-----------------------------|
| <a href="#">View</a> | 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

