

TECHSPEC<sup>®</sup> 2" Dia, 20" FL 750-1100nm, Spherical Mirror



Stock **#73-020** 5 In Stock

-

1

+

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

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | C\$380.80 each                |
| Qty 6-24       | C\$305.20 each                |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

SPECIFICATIONS

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):                                |
| 508.00                                                                                      | Effective Focal Length EFL (mm):                      |
| BOROFLOAT®                                                                                  | Substrate: <input type="checkbox"/>                   |
| f/10                                                                                        | Aperture (f/#):                                       |
| R <sub>avg</sub> >98% @ 750 - 1100nm (0 - 45°)<br>R <sub>avg</sub> >99% @ 750 - 1100nm (0°) | Coating Specification:                                |
| 20.00                                                                                       | 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"/> |
| 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. 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

