

TECHSPEC<sup>®</sup> 2" Dia, 2" FL Enhanced Alum., Spherical Mirror



Stock **#43-544** 1 In Stock

-

1

+

S\$275<sup>.80</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-9        | S\$275.80 each                |
| Qty 10-25      | S\$233.80 each                |
| Qty 26-49      | S\$219.80 each                |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

| General                          |                    |
|----------------------------------|--------------------|
| Spherical Mirror                 | Type:              |
| Physical & Mechanical Properties |                    |
| 2.0                              | Diameter (inches): |
| 50.80 +0.5/-0                    | Diameter (mm):     |

|          |                               |
|----------|-------------------------------|
| +0.02/-0 | Diameter Tolerance (inches):  |
| Ground   | Back Surface:                 |
| 0.50     | Edge Thickness ET (inches):   |
| 12.70    | Edge Thickness ET (mm):       |
| +0.0/-15 | Edge Thickness Tolerance (%): |

Optical Properties

|                                     |                                                       |
|-------------------------------------|-------------------------------------------------------|
| BOROFLOAT®                          | Substrate: <input type="checkbox"/>                   |
| ±2                                  | Focal Length Tolerance (%):                           |
| 60-40                               | Surface Quality:                                      |
| λ/4                                 | Surface Accuracy:                                     |
| 2.00                                | Effective Focal Length EFL (inches):                  |
| 50.80                               | Effective Focal Length EFL (mm):                      |
| 101.60                              | Radius of Curvature (mm):                             |
| f/1                                 | Aperture (f/#):                                       |
| Enhanced Aluminum (450-650nm)       | Coating:                                              |
| R <sub>avg</sub> >95% @ 450 - 650nm | Coating Specification:                                |
| Metal                               | Coating Type:                                         |
| 450 - 650                           | Wavelength Range (nm):                                |
| 0.2 J/cm <sup>2</sup> @ 532nm, 10ns | Damage Threshold, Reference: <input type="checkbox"/> |

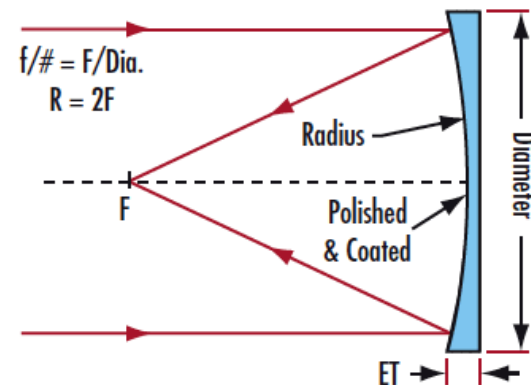
Regulatory Compliance

|           |                             |
|-----------|-----------------------------|
| Compliant | RoHS 2015:                  |
| View      | Certificate of Conformance: |
| Compliant | Reach 247:                  |

## Product Details

- Ideal for Multispectral Focusing Applications
  - Variety of Coating Options Offered
  - Multiple Sizes Available
  - [λ/8 Precision Spherical Mirrors](#) Also Available
- TECHSPEC® λ/4 Precision Spherical Mirrors are ideal for light collection in multispectral imaging applications. These mirrors are available in a wide range of metallic coating options covering the UV, VIS, and IR spectrum. A BOROFLOAT® substrate provides a good combination of performance and value. TECHSPEC® λ/4 Precision 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



# Coating Curves

## Custom

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).