

TECHSPEC<sup>®</sup> 1" Dia, 6" FL Protected Alum., Spherical Mirror



Stock #49-600 1 In Stock

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1

+

A\$206<sup>.40</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-9        | A\$206.40 each                |
| Qty 10-25      | A\$172.80 each                |
| Qty 26-49      | A\$163.20 each                |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

| General                          |                    |
|----------------------------------|--------------------|
| Spherical Mirror                 | Type:              |
| Physical & Mechanical Properties |                    |
| 1.0                              | Diameter (inches): |
| 25.40 +0/-0.3                    | Diameter (mm):     |

|          |                               |
|----------|-------------------------------|
| +0/-0.01 | Diameter Tolerance (inches):  |
| Ground   | Back Surface:                 |
| 0.25     | Edge Thickness ET (inches):   |
| 6.35     | Edge Thickness ET (mm):       |
| +0.0/-15 | Edge Thickness Tolerance (%): |

Optical Properties

|                                                   |                                                       |
|---------------------------------------------------|-------------------------------------------------------|
| <a href="#">BOROFLOAT®</a>                        | Substrate: <input type="checkbox"/>                   |
| ±2                                                | Focal Length Tolerance (%):                           |
| 60-40                                             | Surface Quality:                                      |
| λ/4                                               | Surface Accuracy:                                     |
| 6.00                                              | Effective Focal Length EFL (inches):                  |
| 152.40                                            | Effective Focal Length EFL (mm):                      |
| 304.80                                            | Radius of Curvature (mm):                             |
| f/6                                               | Aperture (f/#):                                       |
| Protected Aluminum (400-2000nm)                   | Coating:                                              |
| Ravg >85% @400 - 700nm<br>Ravg >90% @400 - 2000nm | Coating Specification:                                |
| Metal                                             | Coating Type:                                         |
| 400 - 2000                                        | Wavelength Range (nm):                                |
| 0.3 J/cm <sup>2</sup> @ 532nm & 1064nm, 10ns      | Damage Threshold, Reference: <input type="checkbox"/> |

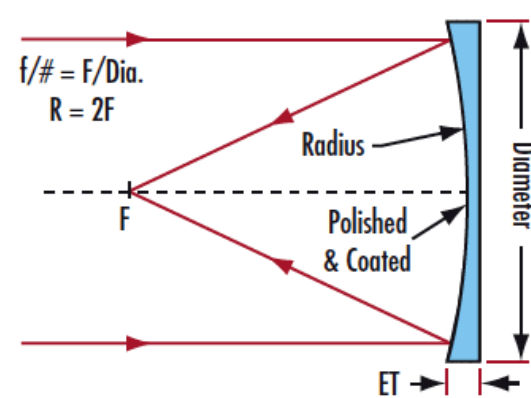
Regulatory Compliance

|                           |                             |
|---------------------------|-----------------------------|
| <a href="#">Compliant</a> | RoHS 2015:                  |
| <a href="#">View</a>      | Certificate of Conformance: |
| <a href="#">Compliant</a> | 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



# 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](#).

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