

**TECHSPEC® 2" Dia, 6" FL Enhanced Alum., Spherical Mirror**



Stock #49-612 **2 In Stock**

⊖ 1 ⊕ **\$275<sup>.80</sup>**

**ADD TO CART**

Volume Pricing	
Qty 1-9	<b>\$275.80</b> each
Qty 10-25	<b>\$233.80</b> each
Qty 26-49	<b>\$219.80</b> 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):**

Diameter Tolerance (inches):

+0.04/-0

Back Surface:

Ground

Edge Thickness ET (inches):

0.50

Edge Thickness ET (mm):

12.70

Edge Thickness Tolerance (%):

+0.0/-15

## Optical Properties

Substrate:

**BOROFLOAT®**

Focal Length Tolerance (%):

±2

Surface Quality:

60-40

Surface Accuracy:

$\lambda/4$

Effective Focal Length EFL (inches):

6.00

Effective Focal Length EFL (mm):

152.40

Radius of Curvature (mm):

304.80

Aperture (f#):

f/3

Coating:

Enhanced Aluminum (450-650nm)

Coating Specification:

$R_{avg} > 95\%$  @ 450 - 650nm

Coating Type:

Metal

Wavelength Range (nm):

450 - 650

Damage Threshold, Reference:

0.2 J/cm<sup>2</sup> @ 532nm, 10ns

## Regulatory Compliance

RoHS 2015:

Compliant

Certificate of Conformance:

[View](#)

Reach 247:

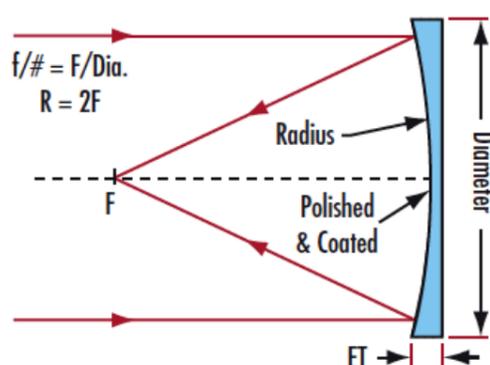
Compliant

## Product Details

- Ideal for Multispectral Focusing Applications
- Variety of Coating Options Offered
- Multiple Sizes Available
- [N/8 Precision Spherical Mirrors](#) Also Available

TECHSPEC® N/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® N/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](#).

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