

**TECHSPEC® 1" Dia, 4" FL Enhanced Alum., Spherical Mirror**



Stock #43-542 [CONTACT US](#)

- 1 + A\$199<sup>41</sup>

**ADD TO CART**

Volume Pricing	
Qty 1-9	A\$199.41 each
Qty 10-25	A\$168.92 each
Qty 26-49	A\$158.21 each
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Product Downloads

**SPECIFICATIONS**

**General**

Spherical Mirror **Type:**

**Physical & Mechanical Properties**

1.0	<b>Diameter (inches):</b>
25.40 +0/-0.3	<b>Diameter (mm):</b>
+0/-0.01	<b>Diameter Tolerance (inches):</b>
Ground	<b>Back Surface:</b>
0.25	<b>Edge Thickness ET (inches):</b>
6.35	<b>Edge Thickness ET (mm):</b>
+0.0/-15	<b>Edge Thickness Tolerance (%):</b>

## Optical Properties

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

## Regulatory Compliance

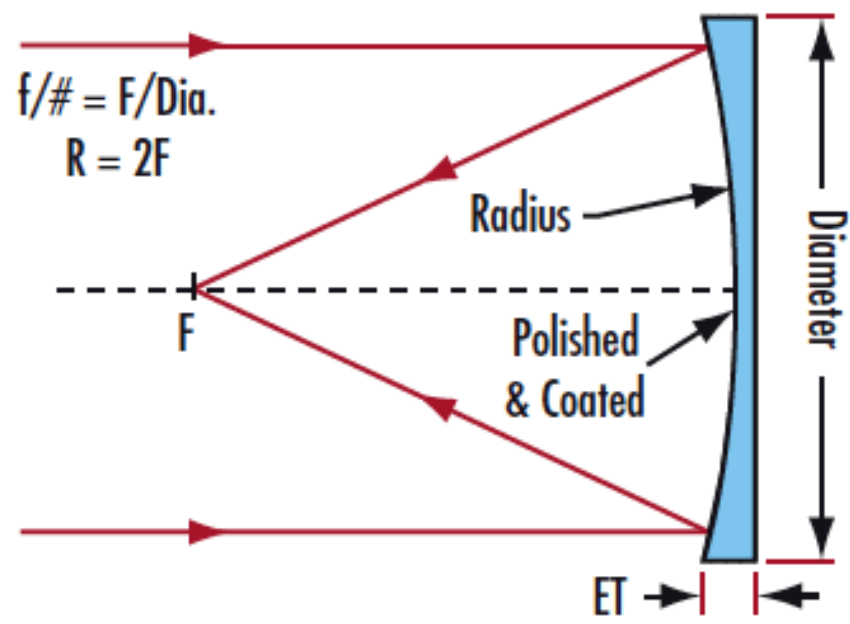
<b>Compliant</b>	<b>RoHS 2015:</b>
<b>View</b>	<b>Certificate of Conformance:</b>
<b>Compliant</b>	<b>Reach 247:</b>

## 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](#).