

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



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

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S\$186^{.20}

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Volume Pricing	
Qty 1-9	S\$186.20 each
Qty 10-25	S\$158.20 each
Qty 26-49	S\$148.40 each
Need More?	Request Quote

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

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

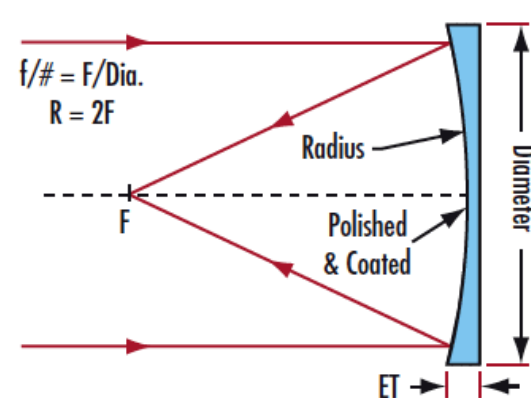
Regulatory Compliance

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](#).