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TECHSPEC®

1" Dia, 6" FL Protected Alum., Spherical Mirror



Stock #49-600 1 In Stock

-

1

+

₹9,031

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Volume Pricing	
Qty 1-9	₹9,031 each
Qty 10-25	₹7,590 each
Qty 26-49	₹7,162 each
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General

Spherical Mirror

Type:

Physical & Mechanical Properties

25.40 +0/-0.3

Diameter (mm):

Ground

Back Surface:

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

Optical Properties

Metal	Coating Type:
Protected Aluminum (400-2000nm)	Coating:
400 - 2000	Wavelength Range (nm):
152.40	Effective Focal Length EFL (mm):
BOROFLOAT®	Substrate: □
f/6	Aperture (f/#):
R _{avg} >85% @400 - 700nm R _{avg} >90% @400 - 2000nm	Coating Specification:
6.00	Effective Focal Length EFL (inches):
±2	Focal Length Tolerance (%):
λ/4	Surface Accuracy:
60-40	Surface Quality:
0.3 J/cm ² @ 532nm & 1064nm, 10ns	Damage Threshold, Reference: □
304.80	Radius of Curvature (mm):

Regulatory Compliance

Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 247:
United States	Country of Origin:
Edmund Optics India Private Limited	Imported By:

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](#).

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

