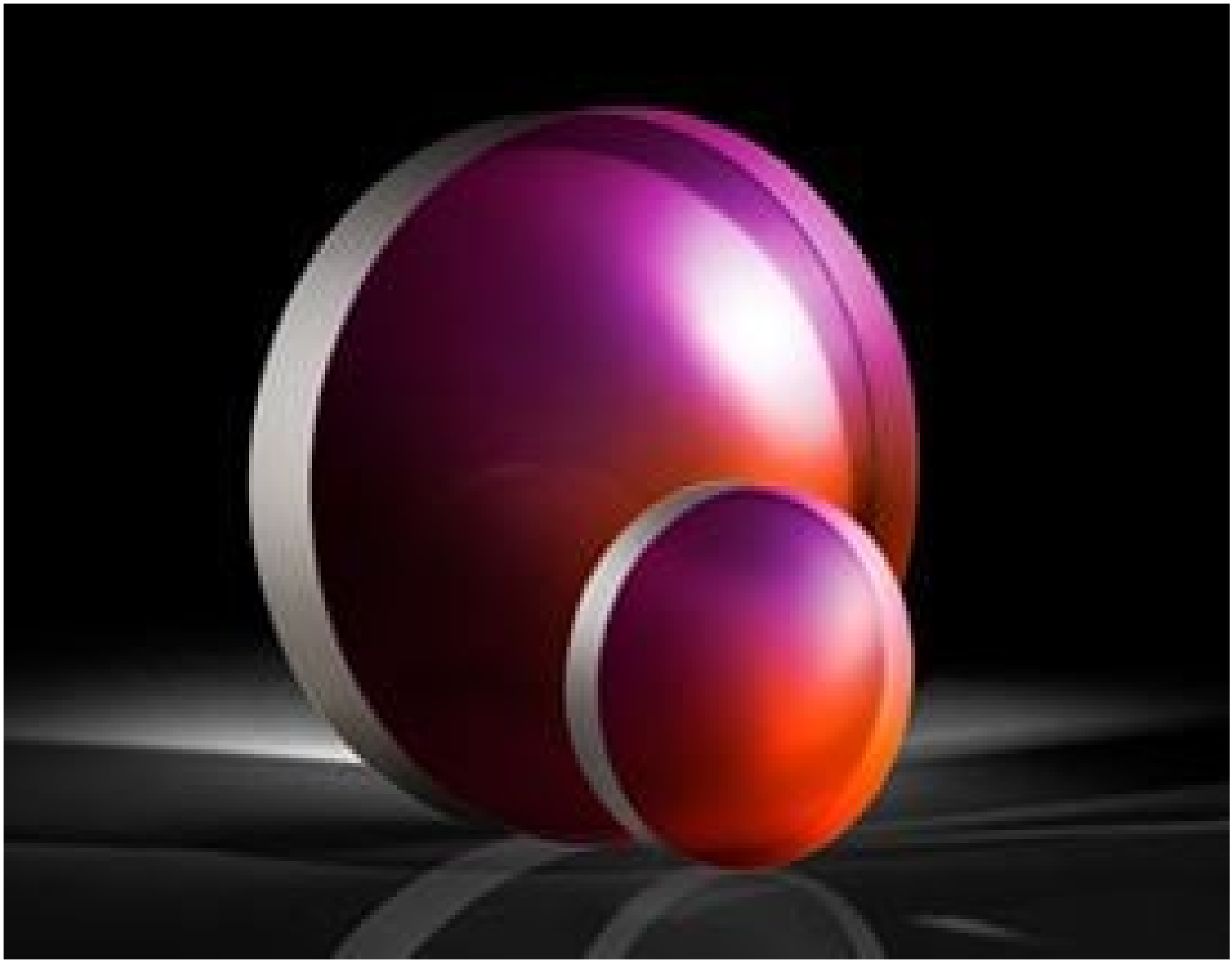
TECHSPEC® 2" Dia, 6" FL Protected Gold, Spherical Mirror



Stock **#49-617** **3 In Stock**

- 1 + **₹18,061**

ADD TO CART

Volume Pricing	
Qty 1-9	**₹18,061** each
Qty 10-25	**₹15,336** each
Qty 26-49	**₹14,441** each
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SPECIFICATIONS

General

Type:	Spherical Mirror

Physical & Mechanical Properties

Diameter (inches):	2.0
Diameter (mm):	50.80 +0.5/-0
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:	λ/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:	Protected Gold (700-10000nm)
Coating Specification:	R_{avg} >96% @ 700 - 2000nm R_{avg} >96% @ 2000 - 10,000nm
Coating Type:	Metal
Wavelength Range (nm):	700 - 10000
Damage Threshold, Reference:	0.8 J/cm^2 @ 1064nm, 10ns

Regulatory Compliance

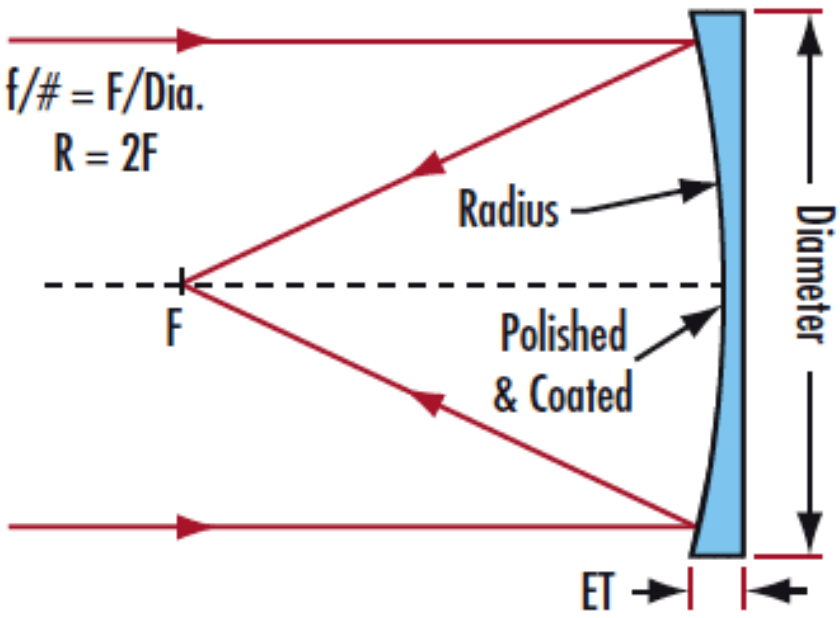
RoHS 2015:	Compliant
Certificate of Conformance:	View
Reach 247:	Compliant

PRODUCT DETAILS

- Ideal for Multispectral Focusing Applications
- Variety of Coating Options Offered
- Multiple Sizes Available
- **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.**