

TECHSPEC® 3" Dia, 3" FL Protected Gold, Spherical Mirror



Stock #32-825 **3 In Stock**

1 **C\$506^{.80}**

ADD TO CART

Volume Pricing	
Qty 1-9	C\$506.80 each
Qty 10-25	C\$429.80 each
Qty 26-49	C\$404.60 each
Need More?	Request Quote

Product Downloads	
STEP:stp	Curve:pdf
PDF Drawing:pdf	IGES:igs
Zemax:zar	Zemax:zmx
eDrawing:eprt	Code V:seq
EO Spec Sheet	Download All

General

Type: Spherical Mirror

Physical & Mechanical Properties

Diameter (mm):	76.20 +1.0/-0	Back Surface:	Ground
Diameter (inches):	3.0	Diameter Tolerance (inches):	+0.04/-0
Edge Thickness ET (inches):	0.50	Edge Thickness ET (mm):	12.70
Edge Thickness Tolerance (%):	+0.0/-15		

Optical Properties

Coating Type:	Metal	Coating:	Protected Gold (700-10000nm)
Wavelength Range (nm):	700 - 10000	Effective Focal Length EFL (mm):	76.20
Substrate: ⓘ	BOROFLOAT®	Aperture (f/#):	f/1
Coating Specification:	R _{avg} >96% @ 700 - 2000nm R _{avg} >96% @ 2000 - 10,000nm	Effective Focal Length EFL (inches):	3.00
Focal Length Tolerance (%):	±2	Surface Accuracy:	λ/4

Surface Quality:	60-40	Damage Threshold, Reference: ⓘ	0.8 J/cm ² @ 1064nm, 10ns
Radius of Curvature (mm):	152.40		

Regulatory Compliance

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

Need different specs or modifications?

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

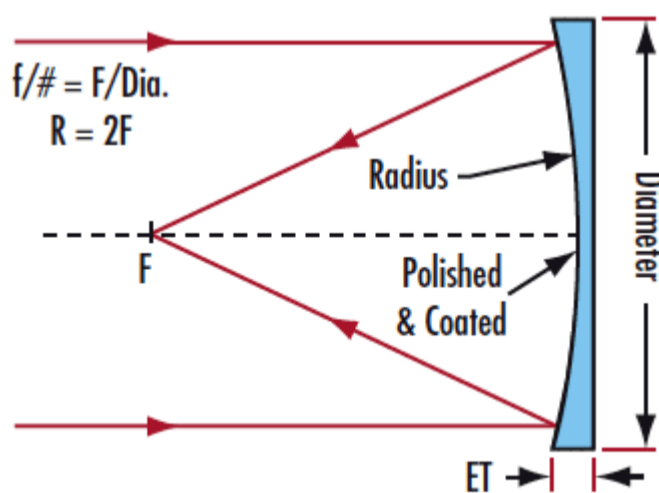
Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

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



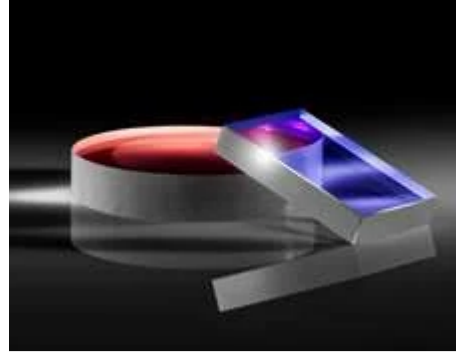
Related Products



Optical Cell Kinematic Mounts



Medium and Large Angle Mirror Mounts



Laser Mirror Substrates



λ/8 Precision Spherical Mirrors

Frequently Purchased Together



#32-824 - 3" Dia, 3" FL Protected Alum., Spherical Mirror
C\$376.60

Qty



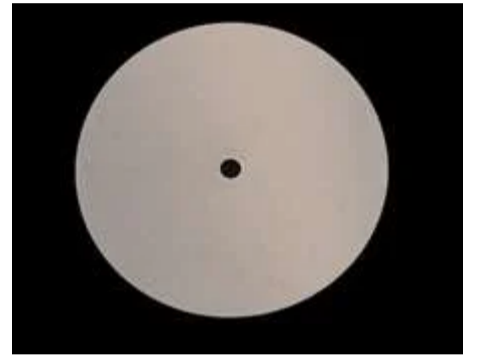
#47-120 - 76.2mm Dia., Gold Coated, Aluminum Substrate Mirror
C\$1,029.00

Qty



#32-434 - 25 x 35mm Protected Gold, λ/4 Mirror
C\$161.00

Qty



#39-730 - 1000μm Aperture Diameter, Unmounted, Precision Pinhole
C\$101.50

Qty

Resources

Media Type

- Application Note
- Video
- FAQ
- Glossary



CASE STUDIES

Laser Optics for Eye Surgery



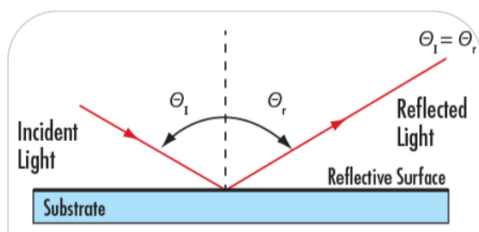
TRENDING IN OPTICS

Increasing Challenges for Sourcing Laser Optics...



CASE STUDIES

Using IR Spectroscopy for Counterfeit Drug Detection



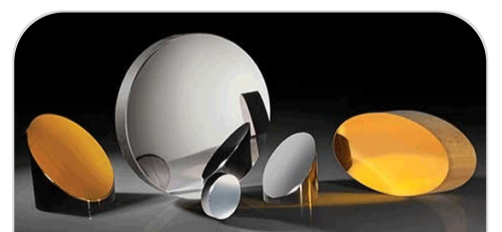
APPLICATION NOTE

Metallic Mirror Coatings



VIDEO

Optical Mirrors Review



FAQ

What is the difference between a first-surface...

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