

TECHSPEC<sup>®</sup> 2" Dia, 20" FL Protected Alum., Spherical Mirror



Stock #32-821 5 In Stock

-

1

+

\$115<sup>.00</sup>

~~\$230.00~~

ADD TO CART

| Volume Pricing |                               |               |
|----------------|-------------------------------|---------------|
| Qty 1-9        | <del>\$\$230.00</del>         | \$115.00 each |
| Qty 10-25      | <del>\$\$194.90</del>         | \$97.45 each  |
| Qty 26-49      | <del>\$\$184.44</del>         | \$92.22 each  |
| Need More?     | <a href="#">Request Quote</a> |               |

Product Downloads

SPECIFICATIONS

General

Type:  
Spherical Mirror

Physical & Mechanical Properties

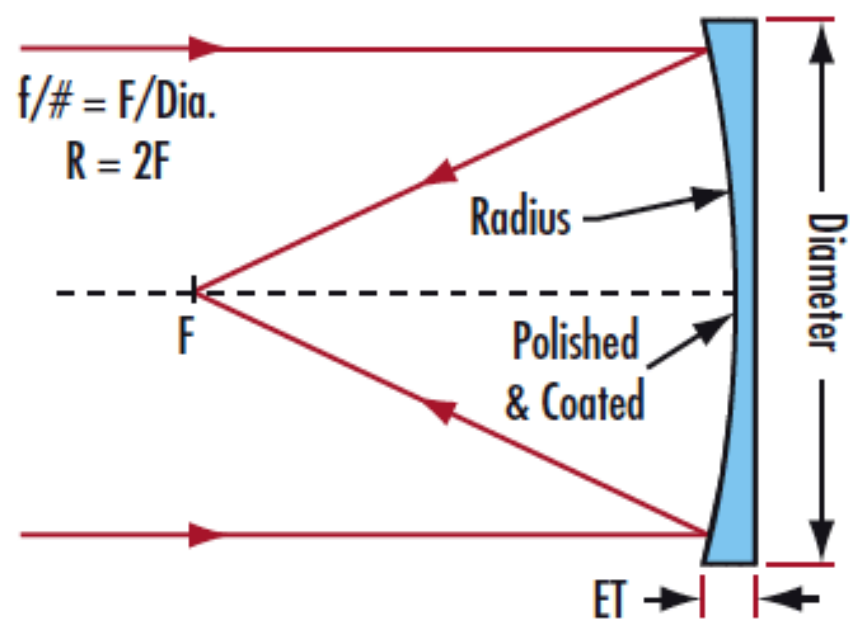
|                                                                             |                                                       |
|-----------------------------------------------------------------------------|-------------------------------------------------------|
| 2.0                                                                         | Diameter (inches):                                    |
| 50.80 +0.5/-0                                                               | Diameter (mm):                                        |
| +0.02/-0                                                                    | Diameter Tolerance (inches):                          |
| Ground                                                                      | Back Surface:                                         |
| 0.50                                                                        | Edge Thickness ET (inches):                           |
| 12.70                                                                       | Edge Thickness ET (mm):                               |
| +0.0/-15                                                                    | Edge Thickness Tolerance (%):                         |
| Optical Properties                                                          |                                                       |
| BOROFLOAT®                                                                  | Substrate: <input type="checkbox"/>                   |
| ±2                                                                          | Focal Length Tolerance (%):                           |
| 60-40                                                                       | Surface Quality:                                      |
| λ/4                                                                         | Surface Accuracy:                                     |
| 20.00                                                                       | Effective Focal Length EFL (inches):                  |
| 508.00                                                                      | Effective Focal Length EFL (mm):                      |
| 1,016.00                                                                    | Radius of Curvature (mm):                             |
| f/10                                                                        | Aperture (f/#):                                       |
| Protected Aluminum (400-2000nm)                                             | Coating:                                              |
| R <sub>avg</sub> >85% @ 400 - 700nm<br>R <sub>avg</sub> >90% @ 400 - 2000nm | Coating Specification:                                |
| Metal                                                                       | Coating Type:                                         |
| 400 - 2000                                                                  | Wavelength Range (nm):                                |
| 0.3 J/cm² @ 532nm & 1064nm, 10ns                                            | Damage Threshold, Reference: <input type="checkbox"/> |
| 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, VS, 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](#).