

TECHSPEC<sup>®</sup> 50mm Dia x -100mm FL, Enhanced Aluminum, Convex Mirror



Convex Mirrors

Stock #87-674 2 In Stock

-

1

+

S\$113<sup>40</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | S\$113.40 each                |
| Qty 6-25       | S\$91.00 each                 |
| Qty 26-49      | S\$86.80 each                 |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

General

Spherical Mirror

Type:

Physical & Mechanical Properties

50.00

Diameter (mm):

5.00

Center Thickness CT (mm):

|           |                             |
|-----------|-----------------------------|
| 90.00     | Clear Aperture (%):         |
| +0.0/-0.1 | Dimensional Tolerance (mm): |
| 3.43      | Edge Thickness ET (mm):     |
| 200.0     | Radius R (mm):              |
| ±0.1      | Thickness Tolerance (mm):   |

Optical Properties

|                                    |                                     |
|------------------------------------|-------------------------------------|
| -100.00                            | Focal Length FL (mm):               |
| Enhanced Aluminum (450-650nm)      | Coating:                            |
| R <sub>avg</sub> >95% @450 - 650nm | Coating Specification:              |
| Metal                              | Coating Type:                       |
| ±2                                 | Focal Length Tolerance (%):         |
| N-BK7                              | Substrate: <input type="checkbox"/> |
| λ/2                                | Surface Accuracy:                   |
| 60-40                              | Surface Quality:                    |
| 450 - 650                          | Wavelength Range (nm):              |

Regulatory Compliance

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

## Product Details

- Precision Polished Surface
- λ/2 Surface Accuracy
- Variety of Coating Options Offered

TECHSPEC® Convex Mirrors are ideal for expanding an imaging system's field of view without introducing chromatic aberrations. TECHSPEC Convex Mirrors utilize a precision polished surface with a λ/2 surface accuracy to maintain image quality. These optical mirrors create virtual, upright images. Shorter focal lengths generate wider fields of view, while longer focal lengths minimize distortion.

## 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](#).