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TECHSPEC<sup>®</sup>

5 x 5mm UV Enhanced Aluminum,  $\lambda/4$  Mirror



Stock **#48-408** 1 In Stock

-

1

+

S\$89<sup>.60</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | <b>S\$89.60</b> each          |
| Qty 6-25       | <b>S\$71.40</b> each          |
| Qty 26-49      | <b>S\$67.55</b> each          |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

General

Flat Mirror

Type:

Physical & Mechanical Properties

Commercial Polish

Back Surface:

5.0 x 5.0

Dimensions (mm):

|                      |                             |
|----------------------|-----------------------------|
| ±0.25                | Dimensional Tolerance (mm): |
| Protective as needed | Bevel:                      |
| 83                   | Clear Aperture (%):         |
| Fine Ground          | Edges:                      |
| 2.00 ±0.25           | Thickness (mm):             |
| 5.00                 | Length (mm):                |
| 5.00                 | Width (mm):                 |

Optical Properties

|                                                                          |                                                       |
|--------------------------------------------------------------------------|-------------------------------------------------------|
| λ/4                                                                      | Surface Flatness (P-V):                               |
| BOROFLOAT®                                                               | Substrate: <input type="checkbox"/>                   |
| 60-40                                                                    | Surface Quality:                                      |
| R <sub>avg</sub> >89% @250 - 450nm<br>R <sub>avg</sub> >85% @250 - 700nm | Coating Specification:                                |
| Enhanced Aluminum (250-700nm)                                            | Coating:                                              |
| Metal                                                                    | Coating Type:                                         |
| 0.25 - 0.7                                                               | Wavelength Range (μm):                                |
| 250 - 700                                                                | Wavelength Range (nm):                                |
| 0.5 J/cm <sup>2</sup> @ 355nm, 10ns                                      | Damage Threshold, Reference: <input type="checkbox"/> |

Regulatory Compliance

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

## Product Details

- Available in a Wide Range of Sizes and Shapes
- Precision Metallic Mirror Coatings
- [Contact Us](#) for Custom Sizes

TECHSPEC® λ/4 First Surface Mirrors feature a high reflectivity coating deposited on the front surface of the glass substrate. The coated surface should be oriented to reflect incident light. TECHSPEC λ/4 First Surface Mirrors are offered in circular, square, and rectangular dimensions. First surface mirrors are ideal for applications requiring the mirror to be mounted at 45° in order to produce a 90° bend in the light path. These first surface mirrors easily mount into a [range of optical mounts](#) to facilitate application integration. The mirrors have available coatings of enhanced aluminum, protected aluminum, protected silver, and protected gold.

**Note:** Surface flatness is measured before coating.

A range of mounts specifically compatible with individual TECHSPEC® First Surface Mirrors can be found on product web pages.

## 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](#).

## Compatible Mounts