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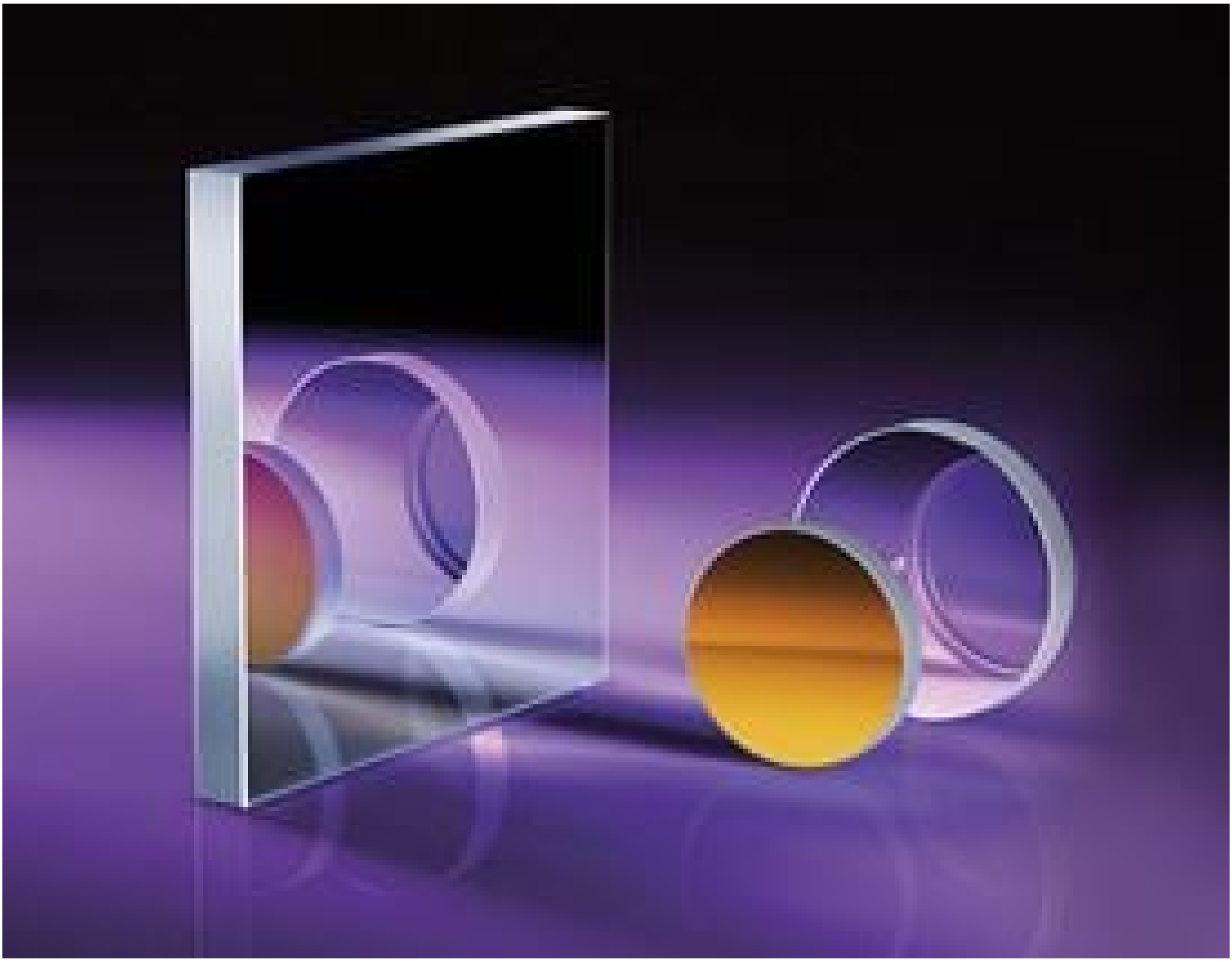
TECHSPEC® 51mm Dia. Enhanced Aluminum, λ/4 Mirror



Stock **#32-514** **1 In Stock**

- 1 + **C$187.60**

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Volume Pricing	
Qty 1-5	**C$187.60** each
Qty 6-25	**C$149.80** each
Qty 26-49	**C$141.40** each
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Product Downloads

General

Type:
Flat Mirror

Physical & Mechanical Properties

Diameter (mm):
51.00

Thickness (mm):
13.00 +1.0/-0.0

Back Surface:
Fine Grind

Bevel:
Protective as needed

Clear Aperture (%):
85

Dimensional Tolerance (mm):
+0.5/-0.0

Edges:
Fine Ground

Optical Properties

Wavelength Range (µm):
0.45 - 0.65

Coating Type:
Metal

Coating:
Enhanced Aluminum (450-650nm)

Surface Flatness (P-V):
λ/4

Wavelength Range (nm):
450 - 650

Substrate:
BOROFLOAT®

Coating Specification:
R_{avg} >95% @ 450 - 650nm

Surface Quality:
60-40

Damage Threshold, Reference:
0.2 J/cm^2 @ 532nm, 10ns

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

- 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.

Coating Curves

Compatible Mounts

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