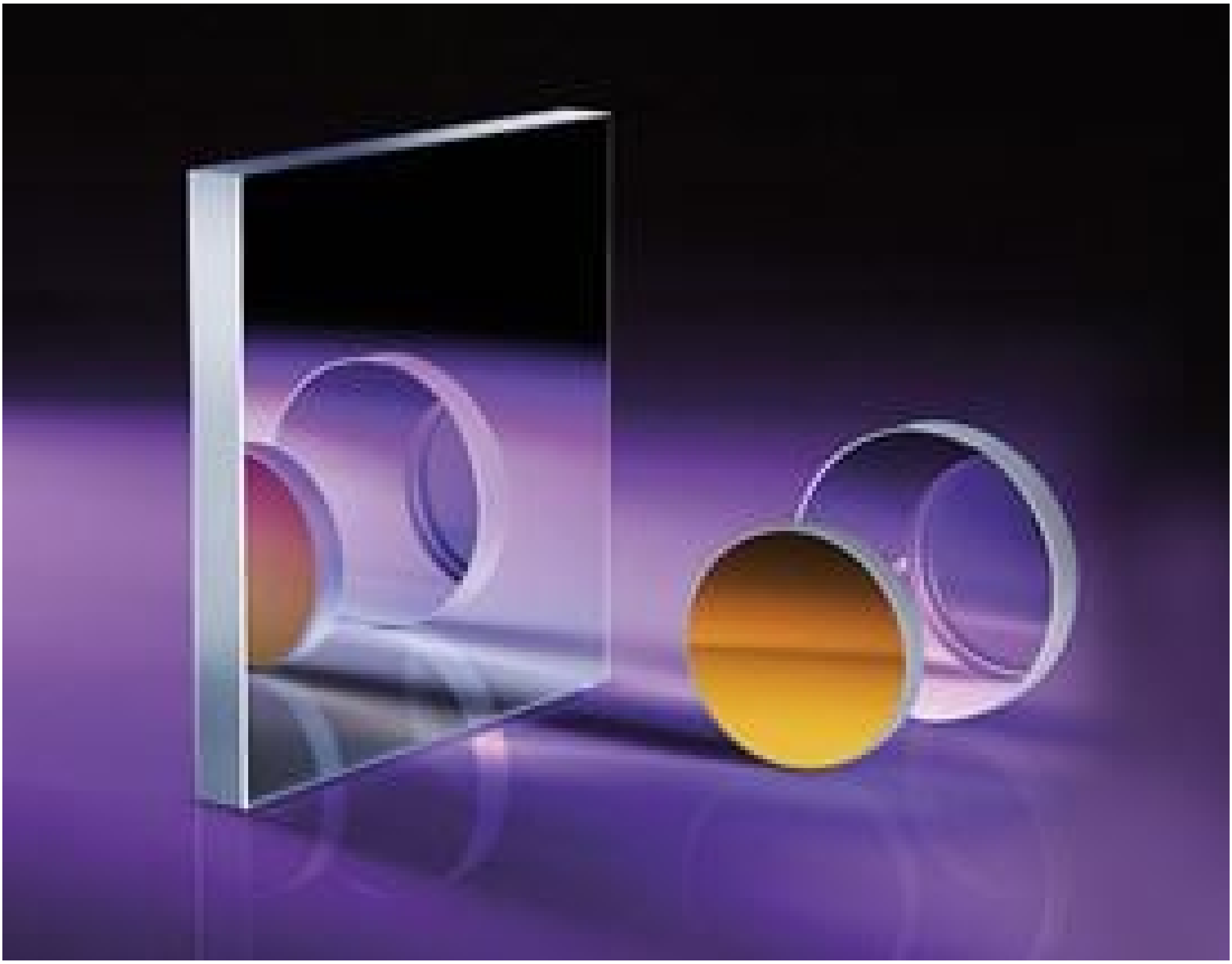
TECHSPEC® 12.5mm Dia. Enhanced Aluminum, λ/4 Mirror



Stock **#45-601** **20+ In Stock**

- 1 + **€64**.00

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Volume Pricing	
Qty 1-5	**€64,00** each
Qty 6-25	**€51,00** each
Qty 26-49	**€48,25** each
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Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

General

Type:
Flat Mirror

Physical & Mechanical Properties

Diameter (mm): 12.50	**Back Surface:** Commercial Polish
Dimensional Tolerance (mm): ±0.25	**Bevel:** Protective as needed
Clear Aperture (%): 85	**Edges:** Fine Ground
Thickness (mm): 2.00 ±0.25	

Optical Properties

Surface Flatness (P-V): λ/4	**Substrate:** BOROFLOAT®
Surface Quality: 60-40	**Coating Specification:** R_{avg} >95% @ 450 - 650nm
Coating: Enhanced Aluminum (450-650nm)	**Coating Type:** Metal
Wavelength Range (µm): 0.45 - 0.65	**Wavelength Range (nm):** 450 - 650
Damage Threshold, Reference: 0.2 J/cm^2 @ 532nm, 10ns	

Regulatory Compliance

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

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

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