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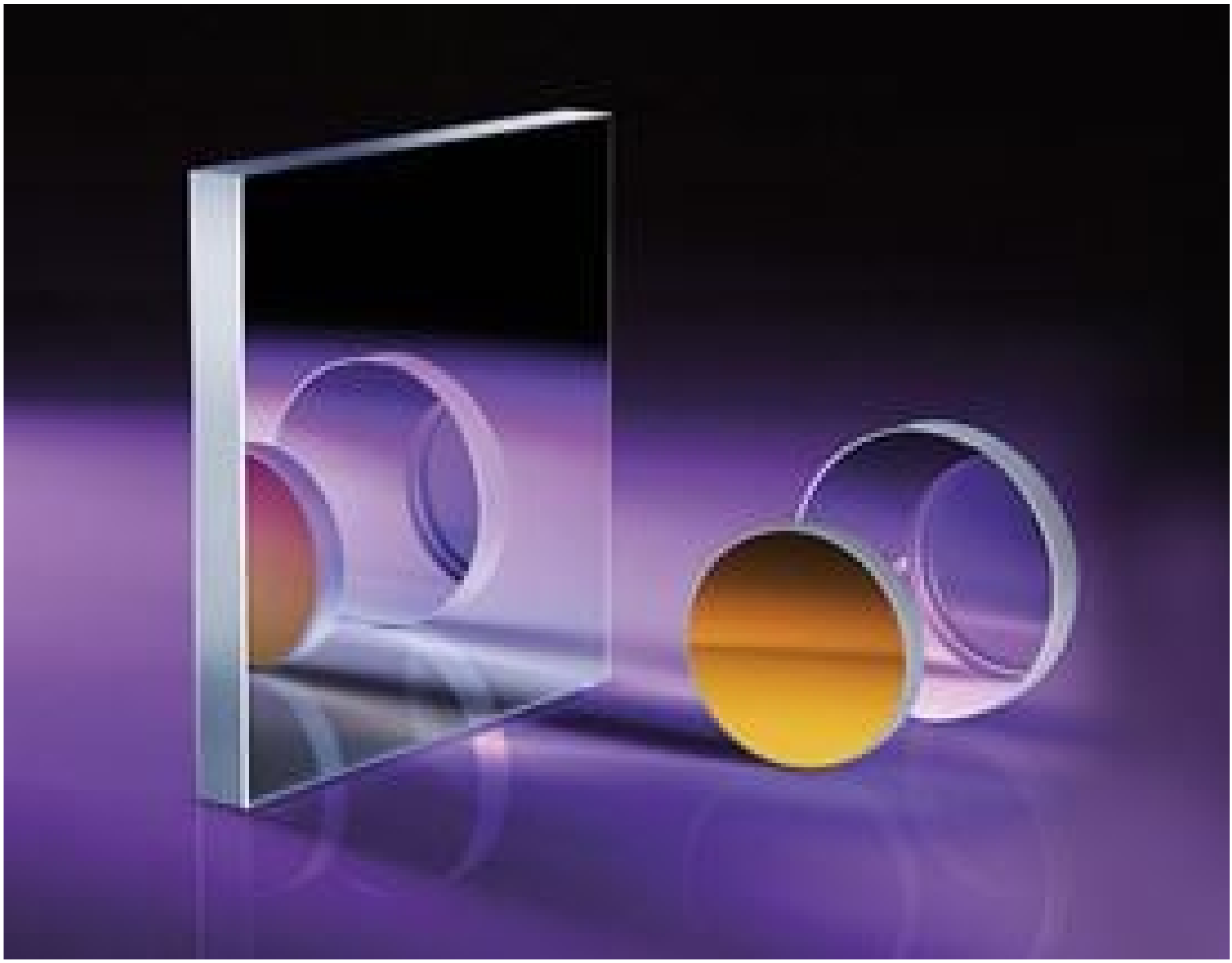
TECHSPEC® 100 x 100mm Enhanced Aluminum, λ/4 Mirror



Stock **#45-342** CONTACT US

- 1 + **€416**.00

ADD TO CART

Volume Pricing	
Qty 1-5	**€416,00** each
Qty 6-25	**€333,00** each
Qty 26-49	**€312,00** each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:
Flat Mirror

Physical & Mechanical Properties

Thickness (mm):
15.00 ±0.25

Dimensions (mm):
100.0 x 100.0

Back Surface:	Commercial Polish
Bevel:	Protective as needed
Clear Aperture (%):	85
Dimensional Tolerance (mm):	±0.25
Edges:	Fine Ground
Length (mm):	100.00
Width (mm):	100.00

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

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

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