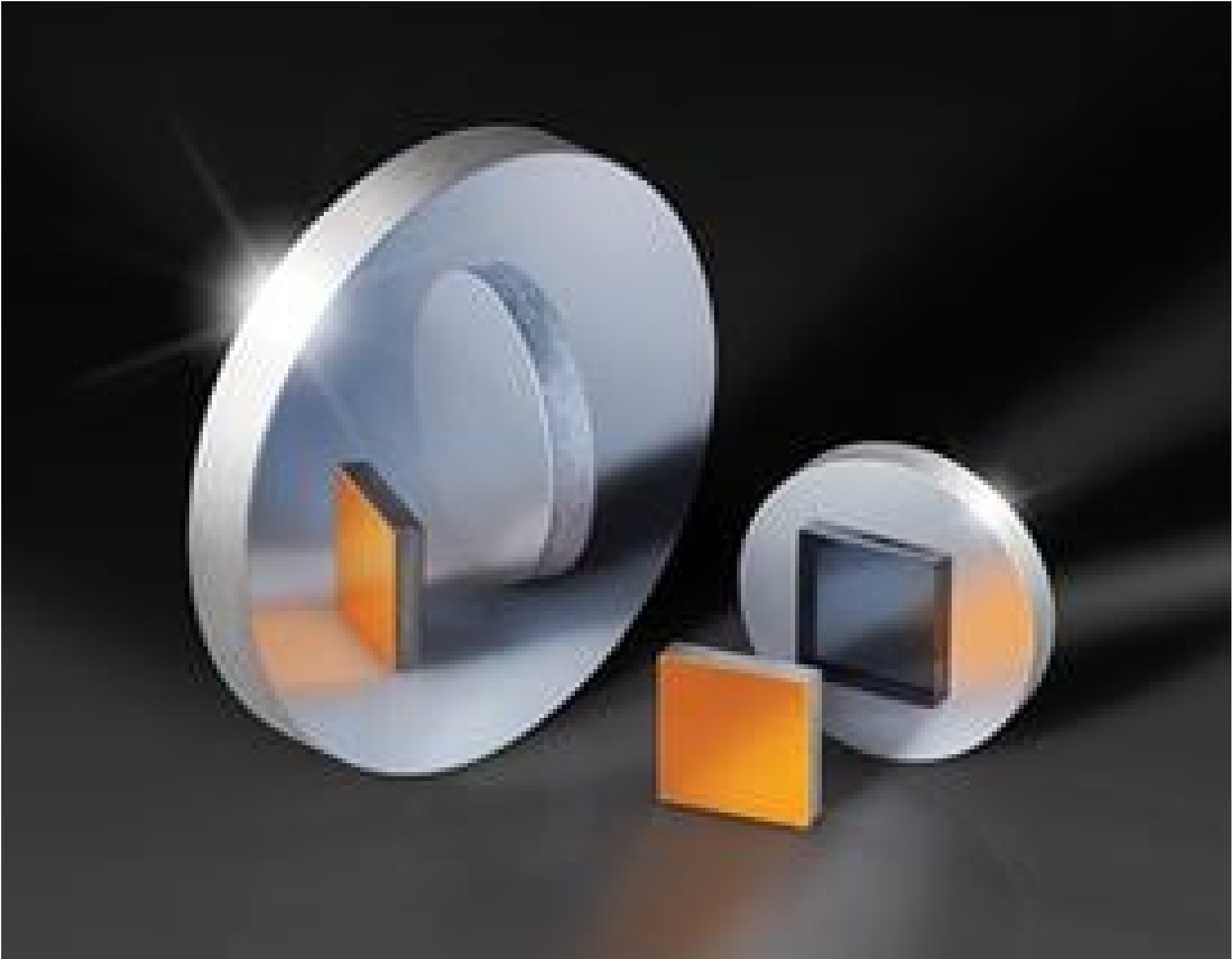


TECHSPEC[®] 15 x 15mm Protected Silver, λ /20 Mirror



Stock **#34-389** 9 In Stock

-

1

+

A\$273^{.60}

ADD TO CART

Volume Pricing	
Qty 1-5	A\$273.60 each
Qty 6-25	A\$220.80 each
Qty 26-49	A\$206.40 each
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Product Downloads

General	
Flat Mirror	Type:
Physical & Mechanical Properties	
Commercial Polish	Back Surface:
15.0 x 15.0 +0.00/-0.20	Dimensions (mm):

Clear Aperture (%):

90.00

Edges:

Ground, protective bevel as needed

Parallelism (arcsec):

30.00

Thickness (mm):

3.00

Length (mm):

15.00

Width (mm):

15.00

Optical Properties

Surface Flatness (P-V):

λ/20 (flatness pre-coating)

Substrate:

Fused Silica

(Corning 7980)

Surface Quality:

20-10

Coating Specification:

R_{avg} >98% @450 - 2000nm
R_{avg} >98% @2000 - 10,000nm

Coating:

Protected Silver (450-10000nm)

Coating Type:

Metal

Wavelength Range (nm):

450 - 10000

Regulatory Compliance

RoHS 2015:

Compliant

Certificate of Conformance:

View

Reach 247:

Compliant

Product Details

- Precision Fused Silica Substrate
- 20-10 Surface Quality
- Low Coefficient of Thermal Expansion

TECHSPEC® λ/20 First Surface Mirrors are polished to industry leading surface accuracy and quality specifications to minimize reflected wavefront error. These mirrors feature a precision fused silica substrate with a low coefficient of thermal expansion. Multiple coating options are available, allowing these mirrors to be integrated into applications spanning the visible through infrared spectra. TECHSPEC® λ/20 First Surface Mirrors are ideal for beam steering and reflection applications and are available in a variety of size, thickness, and coating options.

Note: Surface flatness is measured before coating.

Technical Information

Typical Reflectance Curve for Metallic Mirror Coatings NIR - IR Range

Typical Reflectance Curve for Metallic Mirror Coatings UV - NIR Range

Coating	Range (nm)	% Reflection
Protected Aluminum	0.4 - 0.7	85
Enhanced Aluminum	0.45 - 0.65	95
UV Coated Aluminum	0.25 - 0.45	89
Protected Gold	0.7 - 2.0	96
Protected Silver	0.45 - 2.0	98
Protected Aluminum	0.4 - 2.0	90
Enhanced Aluminum	0.45 - 0.65	95
UV Coated Aluminum	0.25 - 0.45	89
Protected Gold	0.7 - 2.0	96
Protected Silver	0.45 - 2.0	98

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
