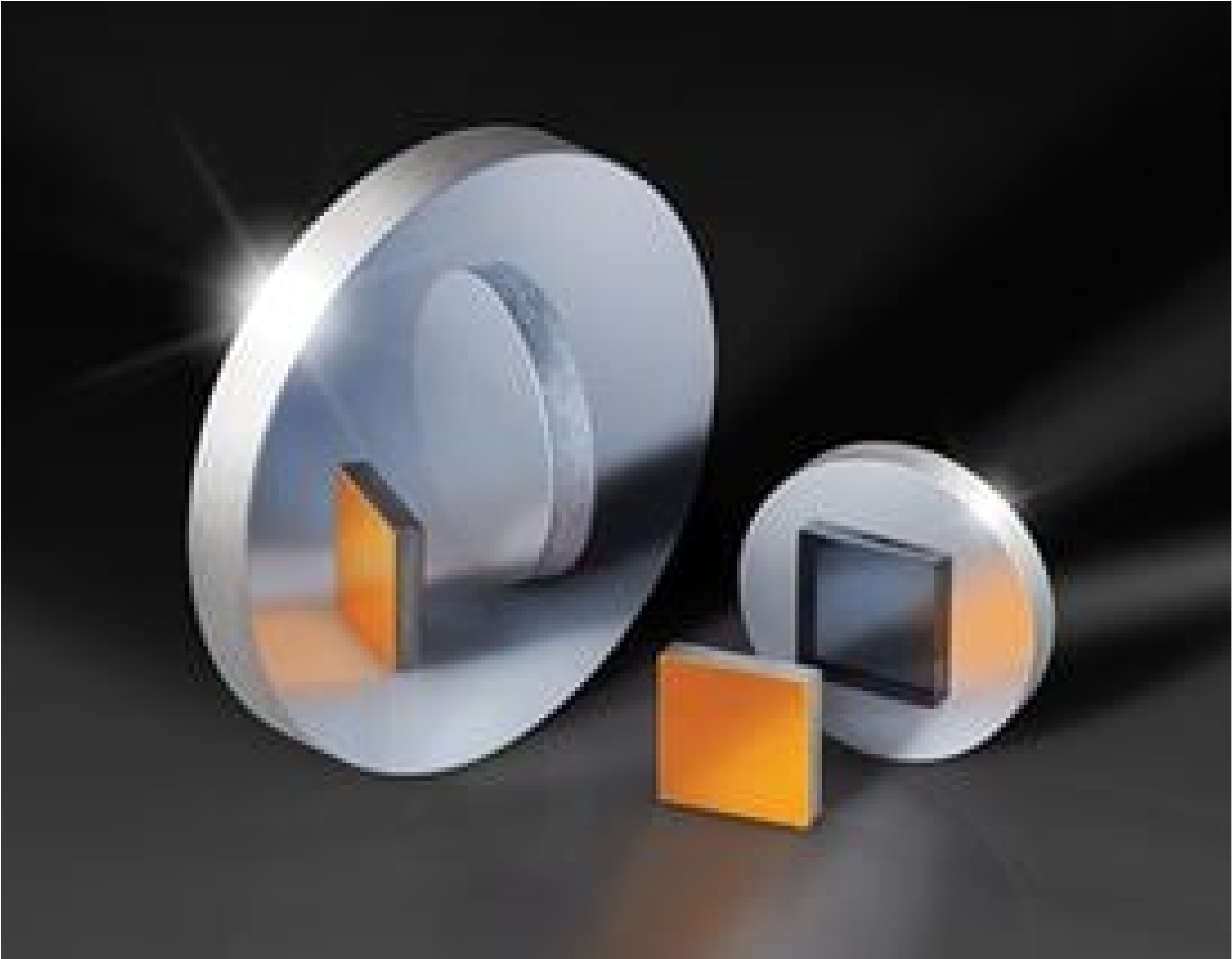


[See all 64 Products in Family](#)

TECHSPEC®

50 x 50mm Protected Silver, $\lambda/20$ Mirror



Stock #34-399 13 In Stock

-

1

+

£284^{.80}

ADD TO CART

Volume Pricing	
Qty 1-5	£284.80 each
Qty 6-25	£228.00 each
Qty 26-49	£213.60 each
Need More?	Request Quote

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Flat Mirror

Type:

Physical & Mechanical Properties

5.00

Thickness (mm):

50.0 x 50.0 +0.00/-0.20

Dimensions (mm):

Commercial Polish	Back Surface:
90.00	Clear Aperture (%):
Ground, protective bevel as needed	Edges:
50.00	Length (mm):
50.00	Width (mm):
30.00	Parallelism (arcsec):

Optical Properties

Metal	Coating Type:
Protected Silver (450-10000nm)	Coating:
λ/20 (flatness pre-coating)	Surface Flatness (P-V):
450 - 10000	Wavelength Range (nm):
Fused Silica (Corning 7980)	Substrate: □
R _{avg} >98% @450 - 2000nm R _{avg} >98% @2000 - 10,000nm	Coating Specification:
20-10	Surface Quality:

Regulatory Compliance

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

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](#).

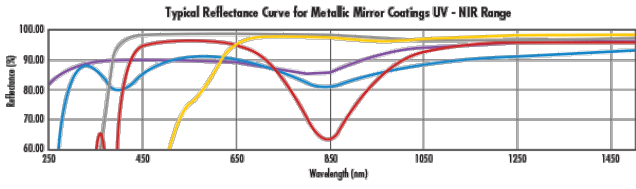
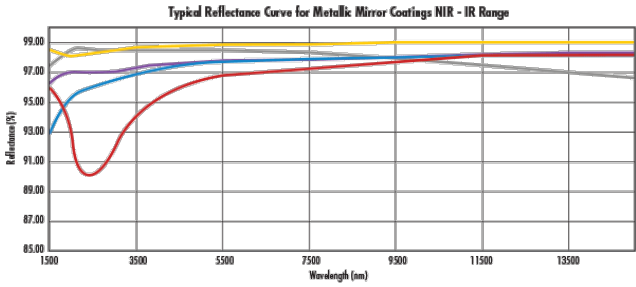
Product Details

- 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



Protected Aluminum		Enhanced Aluminum		UV Oxidized Aluminum		Protected Gold		Protected Silver	
Range (µm)	% Reflection	Range (µm)	% Reflection	Range (µm)	% Reflection	Range (µm)	% Reflection	Range (µm)	% Reflection
0.4 - 0.7	85	0.45 - 0.65	95	0.25 - 0.45	89	0.7 - 2.0	96	0.45 - 2.0	98
0.4 - 2.0	90	—	—	0.25 - 0.70	85	2.0 - 10.0	96	2.0 - 10.0	98

Coating Curves

Compatible Mounts