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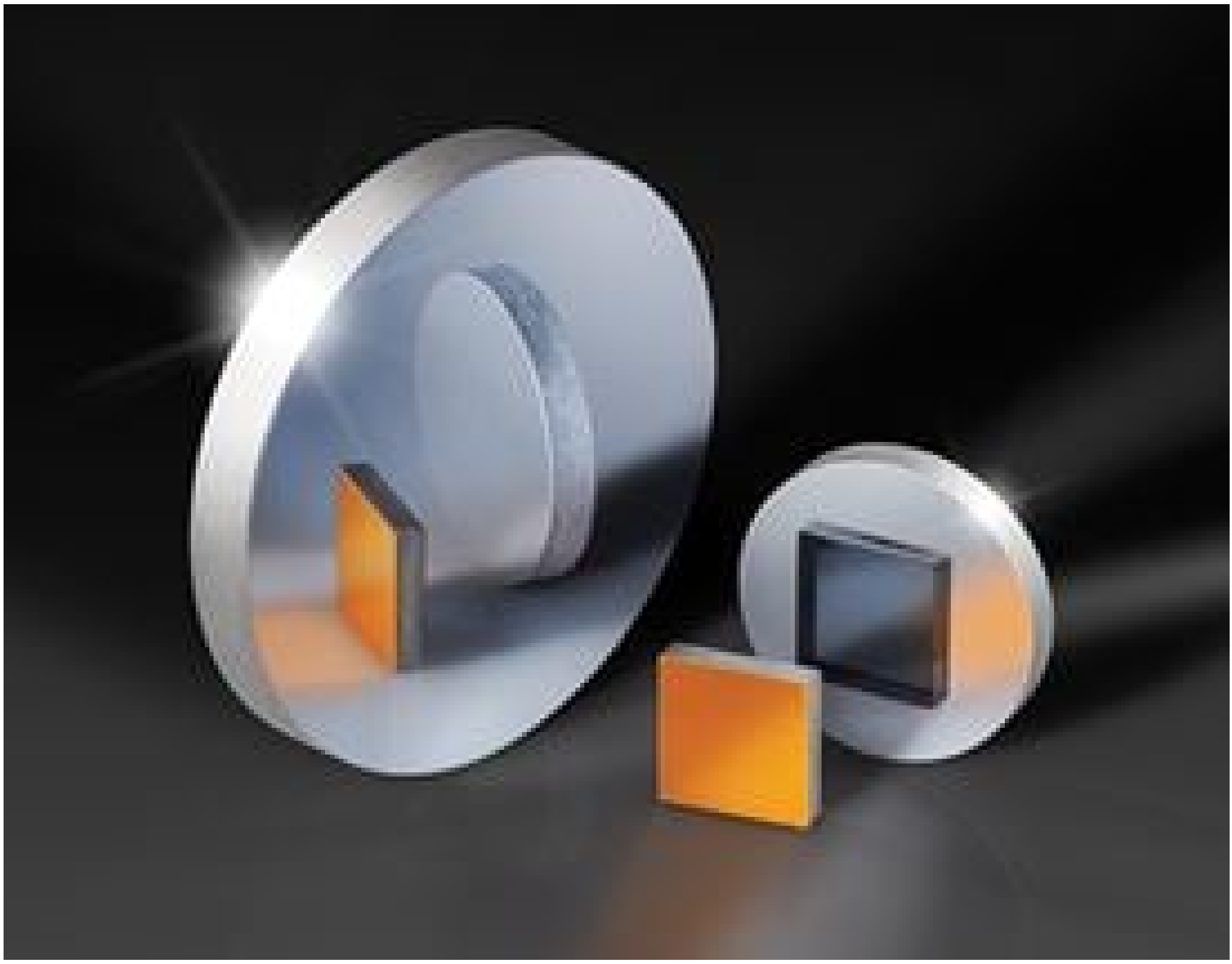
TECHSPEC® 40mm Dia Protected Silver, λ/20 Mirror



Stock **#34-396** **7 In Stock**

- 1 + **€319**.00

ADD TO CART

Volume Pricing	
Qty 1-5	**€319,00** each
Qty 6-25	**€255,00** each
Qty 26-49	**€240,00** each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:
Flat Mrror

Physical & Mechanical Properties

Diameter (mm):
40.00 +0.00/-0.20

Back Surface:
Commercial Polish

Clear Aperture (%):
90.00

Edges:
Ground, protective bevel as needed

Parallelism (arcsec):
30.00

Thickness (mm):
5.00 ±0.20

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 250:
Compliant

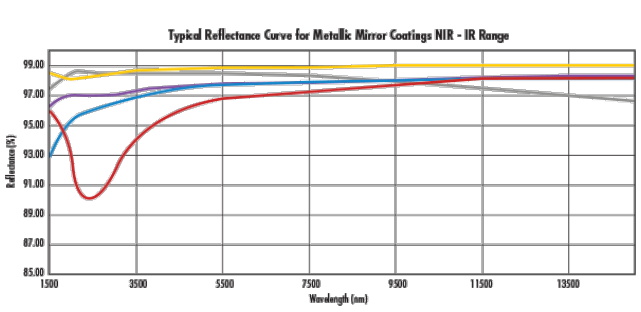
Product Details

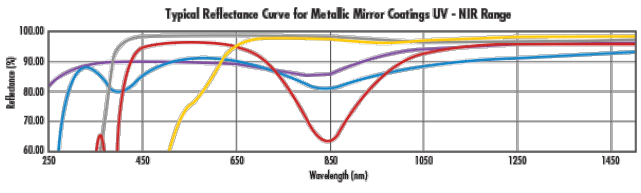
- Precision Fused Silica Substrate
- 20-10 Surface Quality
- Low Coefficient of Thermal Expansion

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





Protected Aluminum		Enhanced Aluminum		UV Enhanced 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

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