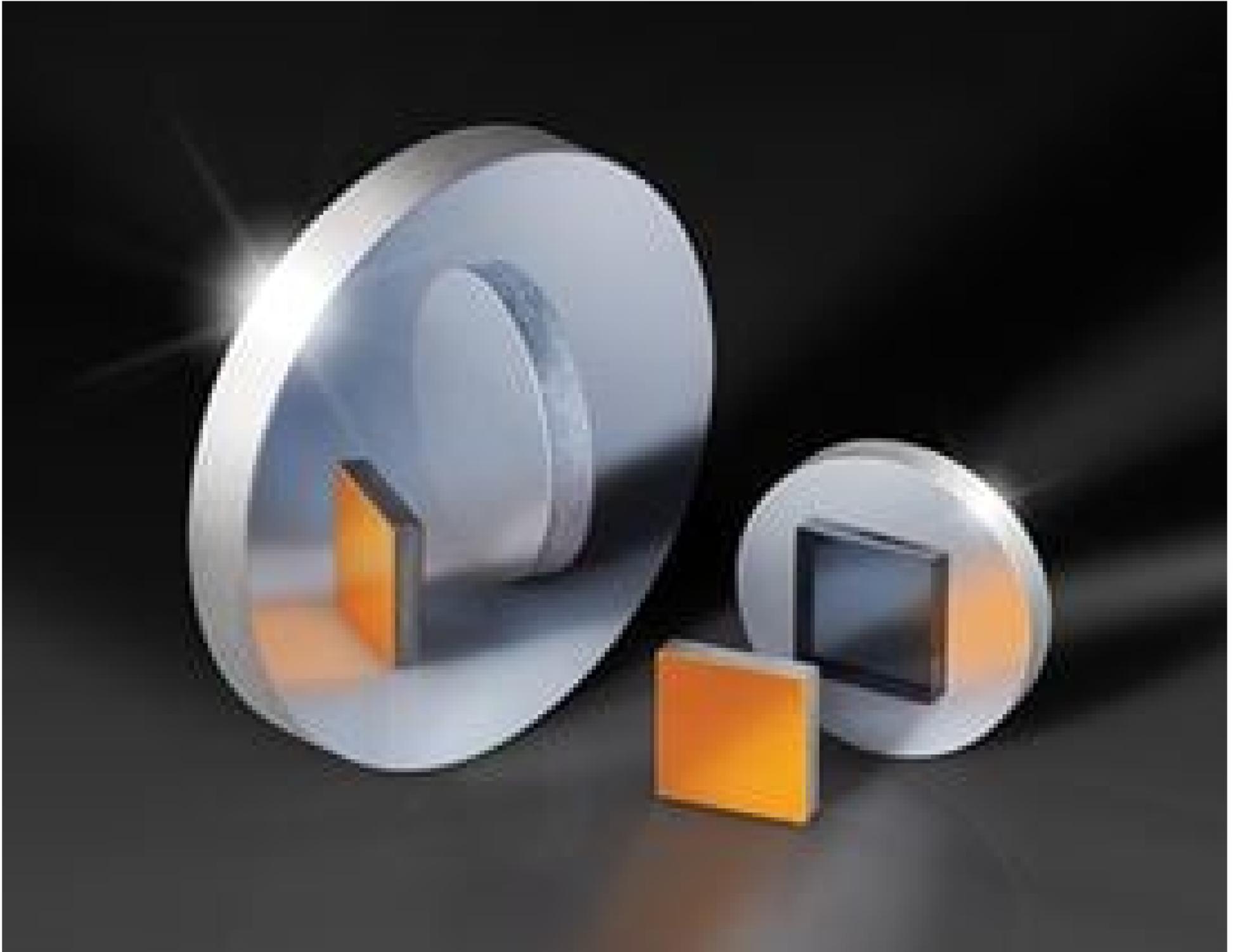


TECHSPEC® 40 x 40mm Protected Gold, $\lambda/20$ Mirror



Stock #34-381 **5 In Stock**

⊖ 1 ⊕ **S\$485^{.00}**

ADD TO CART

Volume Pricing	
Qty 1-5	S\$485.80 each
Qty 6-25	S\$389.20 each
Qty 26-49	S\$364.00 each
Need More?	Request Quote

Product Downloads

General

Flat Mirror **Type:**

Physical & Mechanical Properties

Commercial Polish **Back Surface:**

40.0 x 40.0 +0.00/-0.20 **Dimensions (mm):**

Clear Aperture (%):

90.00

Edges:

Ground, protective bevel as needed

Parallelism (arcsec):

30.00

Thickness (mm):

5.00

Length (mm):

40.00

Width (mm):

40.00

Optical Properties

Surface Flatness (P-V):

$\lambda/20$ (flatness pre-coating)

Substrate:

Fused Silica (Corning 7980)

Surface Quality:

20-10

Coating Specification:

R_{avg} >96% @ 700 - 2000nm

R_{avg} >96% @ 2000 - 10,000nm

Coating:

Protected Gold (700-10000nm)

Coating Type:

Metal

Wavelength Range (nm):

700 - 10000

Regulatory Compliance

RoHS 2015:

Compliant

Certificate of Conformance:

[View](#)

Reach 247:

Compliant

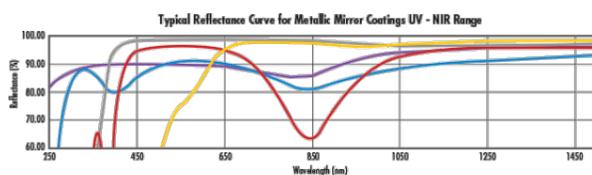
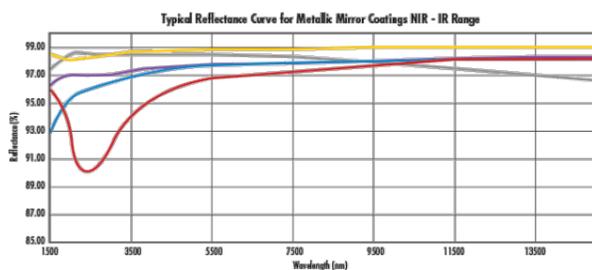
Product Details

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

TECHSPEC® $\lambda/20$ 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® $\lambda/20$ 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 (nm)	% Reflection	Range (nm)	% Reflection	Range (nm)	% Reflection
0.4 - 0.7	85	0.45 - 0.65	95	0.25 - 0.45	89
0.4 - 2.0	90	-	-	0.25 - 0.70	85
				0.7 - 2.0	96
				0.45 - 2.0	98
				2.0 - 10.0	96
				2.0 - 10.0	98

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
