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TECHSPEC® 5mm Protected Gold, N/20 Fused Silica Right Angle Prism Mirror



Stock #22-557 **11 In Stock**

S\$317^{.80}

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Volume Pricing	
Qty 1-5	S\$317.80 each
Qty 6-25	S\$253.40 each
Qty 26-49	S\$238.00 each
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General

Right Angle Mirror Type:

Physical & Mechanical Properties

Protective as needed Bevel:

6.36 x 4.50 Clear Aperture CA (mm):

Dimensional Tolerance (mm):

+0.00/-0.10

Length of Hypotenuse (mm):

7.10

Length of Legs (mm):

5.00

Optical Properties

Wavelength Range (µm):

0.70 - 10

Coating Type:

Metal

Coating:

Protected Gold (700-10000nm)

Surface Flatness (P-V):

λ/20

Wavelength Range (nm):

700 - 10000

Substrate:

[Fused Silica](#) (Corning 7980)

Coating Specification:

R_{avg} >96% @ 700 - 2000nm
R_{avg} >96% @ 2000 - 10,000nm

Surface Quality:

20-10

Damage Threshold, Reference:

0.8 J/cm² @ 1064nm, 10ns

Angle Tolerance (arcsec):

±15

Regulatory Compliance

RoHS 2015:

[Compliant](#)

Certificate of Conformance:

[View](#)

Reach 247:

[Compliant](#)

Need different specs or modifications?

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 Substrates for Increased Thermal Stability
- Ideal for System Alignment
- Enhanced Aluminum, Protected Gold, and Protected Silver Coatings Available

TECHSPEC® λ/20 Fused Silica Right Angle Prism Mirrors feature broadband metal coatings and a ±15 arcsecond angular tolerance for applications that require precision alignment. These highly reflective right angle mirrors simplify alignment when mounting and are easily integrated into systems that redirect light at 90°. TECHSPEC® λ/20 Fused Silica Right Angle Prism Mirrors utilize Fused Silica substrates for high temperature environments and their precision design and tolerances enable easy system integration. Coating options feature >95% reflectivity from 450nm to the long wave infrared (IR).

Technical Information



Image above shows light reflecting off the coated hypotenuse.

