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TECHSPEC® 20.0mm 320 - 450nm, N-BK7 Right Angle Mirrors (Hypotenuse Coated)

Broadband Dielectric Coated Right Angle Mirrors

Stock **#15-597** CONTACT US

- 1 + **S$303.80**

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Volume Pricing	
Qty 1-5	**S$303.80** each
Qty 6-25	**S$243.60** each
Qty 26-49	**S$226.80** each
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General

Type:
Right Angle Mirror

Physical & Mechanical Properties

Clear Aperture (%):
90

Dimensional Tolerance (mm):
±0.1

Length of Hypotenuse (mm):
28.30

Length of Legs (mm):
20.00

Optical Properties

Coating Type:
Dielectric

Coating:
Dielectric Mirror (320-450nm)

Wavelength Range (nm):
320 - 450

Substrate:
N-BK7

Angle Tolerance (arcmin):
±2

Coating Specification:
Hypotenuse: R_{avg} >98% @ 340 - 488nm (0°, All Polarizations)
R_{avg} >98% @ 320 - 450nm (45°, All Polarizations)
R_{avg} >99% @ 320 - 450nm (45°, S-Polarization)

Surface Quality:
40-20

Damage Threshold, By Design:
0.5 J/cm2 @ 355nm, 20ns, 20Hz

Power (fringes) @ 632.8nm:
1.25

Irregularity (fringes) @ 632.8nm:
0.50

Regulatory Compliance

Certificate of Conformance:
View

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

- Greater Than 98% Reflection Over Broad Wavelength Ranges
- High Reflectivity for all Polarization States
- Reflect Light at 90°
- Standard Metal Coated Right Angle Mirrors Also Available

TECHSPEC® Broadband Dielectric Coated Right Angle Mirrors (Hypotenuse Coated) are designed for beam steering or precision alignment applications utilizing multiple laser sources or operating from the visible to near-infrared spectra. These mirrors feature improved reflection compared to standard metal coated mirrors, increasing system performance by decreasing energy loss. These right angle mirrors are easily mounted and integrated into optical systems. TECHSPEC® Broadband Dielectric Coated Right Angle Mirrors (Hypotenuse Coated) reflect light at 90° and have greater than 98% reflection over broad wavelength ranges. These mirrors feature a N-BK7 substrate and are available in a variety of leg lengths.

Note: These right angle mirrors are not recommended for use in applications where light is reflected off the coated hypotenuse from inside the prism.

Technical Information

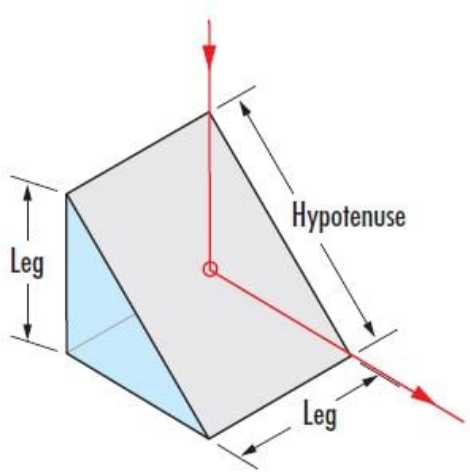

Image above shows light reflecting off the coated hypotenuse.

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