

TECHSPEC[®] 20mm Aluminum & UV-VIS, High Tolerance Fused Silica Right Angle Prism



TECHSPEC High Tolerance UV Fused Silica Right Angle Prisms

Stock **#47-804** [CONTACT US](#)

-

1

+

C\$219⁰⁰

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Volume Pricing	
Qty 1-5	C\$219.80 each
Qty 6-25	C\$176.40 each
Qty 26-49	C\$164.85 each
Need More?	Request Quote

Product Downloads

General

Type:

Right Angle Prism

Physical & Mechanical Properties

Dimensional Tolerance (mm):

+0.0/-0.1

Bevel:

Protective as needed

28.30	Length of Hypotenuse (mm):
20.00	Length of Legs (mm):
Optical Properties	
±40	Angle Tolerance (arcsec):
UV-VIS & Aluminized	Coating:
Fused Silica (Corning 7980)	Substrate: □
20-10	Surface Quality:
±1	Pyramid Tolerance (arcmin):
Left-Handed	Image Orientation:
Coating Specification: Legs: R _{abs} ≤1.0% @ 350 - 450nm, R _{avg} ≤1.5% @ 250 - 700nm Hypotenuse: R _{avg} >85% @ 400 - 700nm w/Black Overpaint	
250 - 700	Wavelength Range (nm):
Damage Threshold, By Design: □ Hypotenuse: 0.3 J/cm2 @ 532 & 1064nm, 10ns Legs: 3 J/cm2 @ 355nm, 10ns; 5 J/cm2 @ 532nm, 10ns	
1.25	Power (fringes) @ 632.8nm:
0.20	Irregularity (fringes) @ 632.8nm:

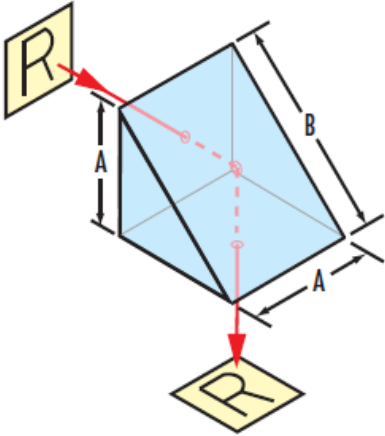
Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 235:

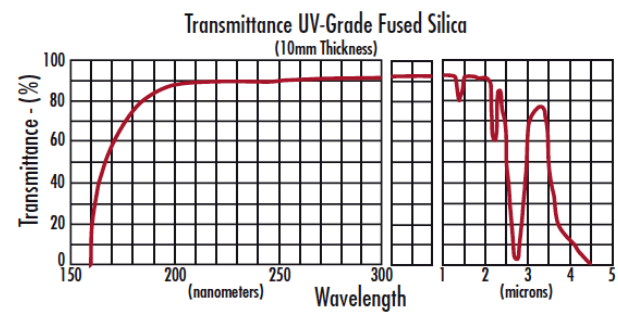
Product Details

- Ray Deviation of 90°
- Left Handed Image
- ±40 Arcseconds Angle Tolerance
- Additional [Right Angle Prism](#) Options Available

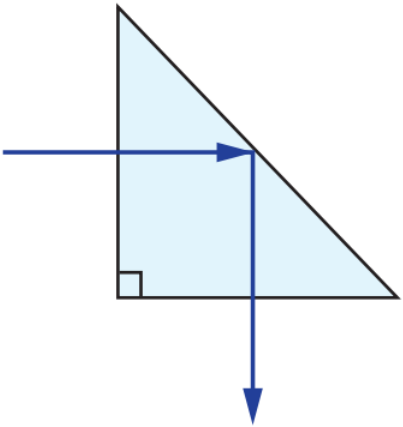
TECHSPEC® High Tolerance Fused Silica Right Angle Prisms, like most right angle prisms, are used to bend image paths or redirect light at 90°. This produces a left-handed image and depending on the orientation of the prism, the image may be inverted or reverted. Right angle prisms can also be used in combination for image/beam displacement. TECHSPEC® High Tolerance Fused Silica Right Angle Prisms feature low arcsecond angle tolerance and are made from precision UV fused silica for use in a variety of UV, Visible and NIR applications. The prisms are offered in leg lengths from 5 to 25mm.

Technical Information

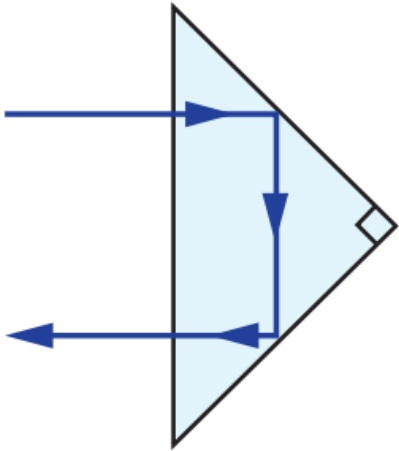




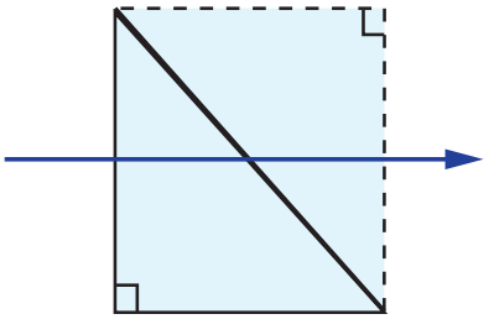
UV FS Transmission Curve



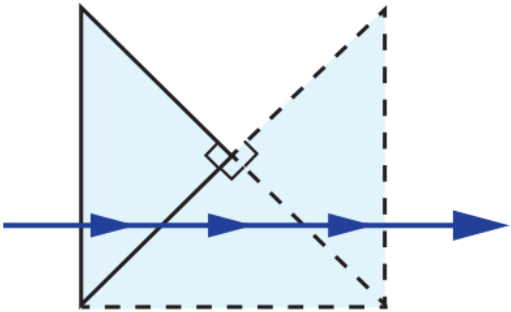
Right Angle Prism Ray Path



Right Angle Prism Ray Path



Right Angle Prism Tunnel Diagram



Right Angle Prism Tunnel Diagram

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](#).