

TECHSPEC[®] 12.5mm Aluminum & UV-VIS, High Tolerance Fused Silica Right Angle Prism



TECHSPEC High Tolerance UV Fused Silica Right Angle Prisms

Stock **#47-802** [CONTACT US](#)

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1

+

A\$228⁰⁰

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Volume Pricing	
Qty 1-5	A\$228.80 each
Qty 6-25	A\$182.40 each
Qty 26-49	A\$171.60 each
Need More?	Request Quote

Product Downloads

General

Right Angle Prism

Type:

Physical & Mechanical Properties

+0.0/-0.1

Dimensional Tolerance (mm):

Protective as needed

Bevel:

17.70	Length of Hypotenuse (mm):
12.50	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:

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

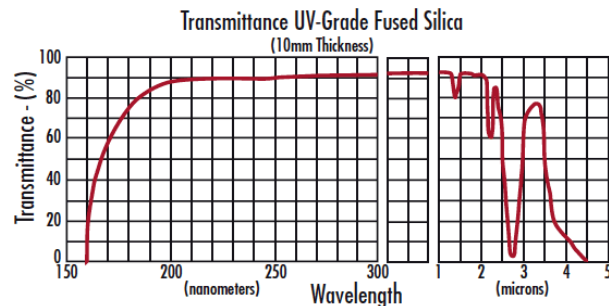
Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

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

