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TECHSPEC® 10mm Uncoated, Fused Silica Penta Prism

Stock **#49-017** **20+ In Stock**

- 1 + **C$246.40**

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Volume Pricing	
Qty 1-5	**C$246.40** each
Qty 6-24	**C$197.40** each
Qty 25-49	**C$184.80** each
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Product Downloads

General

Type:

Penta Prism

Physical & Mechanical Properties

Dimensional Tolerance (mm):

±0.10

Bevel:

Protective as needed

Length of Legs (mm):
10.00

Optical Properties

Coating:
Uncoated

Substrate:
Fused Silica (Corning 7980)

Surface Quality:
20-10

Angle Tolerance (arcmin):
±1

Image Orientation:
Right-Handed

Ray Deviation (°):
90

Wavelength Range (nm):
200 - 2200

Power (fringes) @ 632.8nm:
0.20

Irregularity (fringes) @ 632.8nm:
0.20

Regulatory Compliance

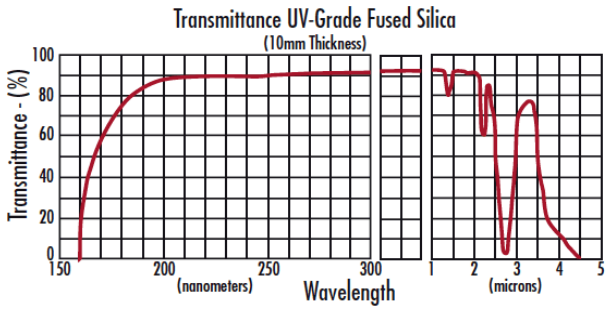
Certificate of Conformance:
View

Product Details

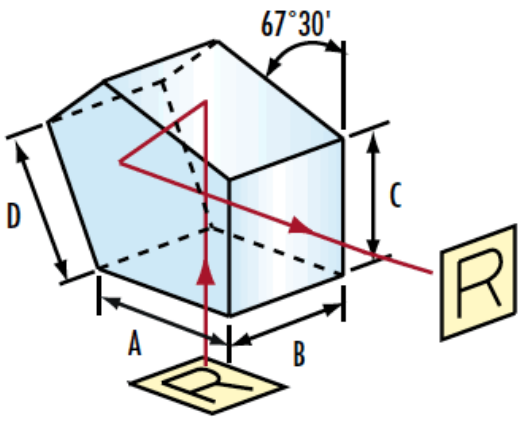
- Ray Deviation of 90°
- Right Handed Image
- Optical Tool for Defining a Right Angle
- Additional Penta Prism Options Available

Penta prisms are five-sided prisms featuring a ray deviation of 90° and a right handed image. The UV-AR coated options also have aluminized reflecting surfaces for increased efficiency. Slight movement of the prism does not affect the true right angle at which light rays are reflected, making a penta prism the ideal optical tool for defining a right angle in an optical system. TECHSPEC® UV Fused Silica Penta Prisms are made from UV fused silica which features low thermal expansion and excellent transmission throughout the UV, VIS, and NIR spectral ranges.

Technical Information



UV FS Transmission Curve



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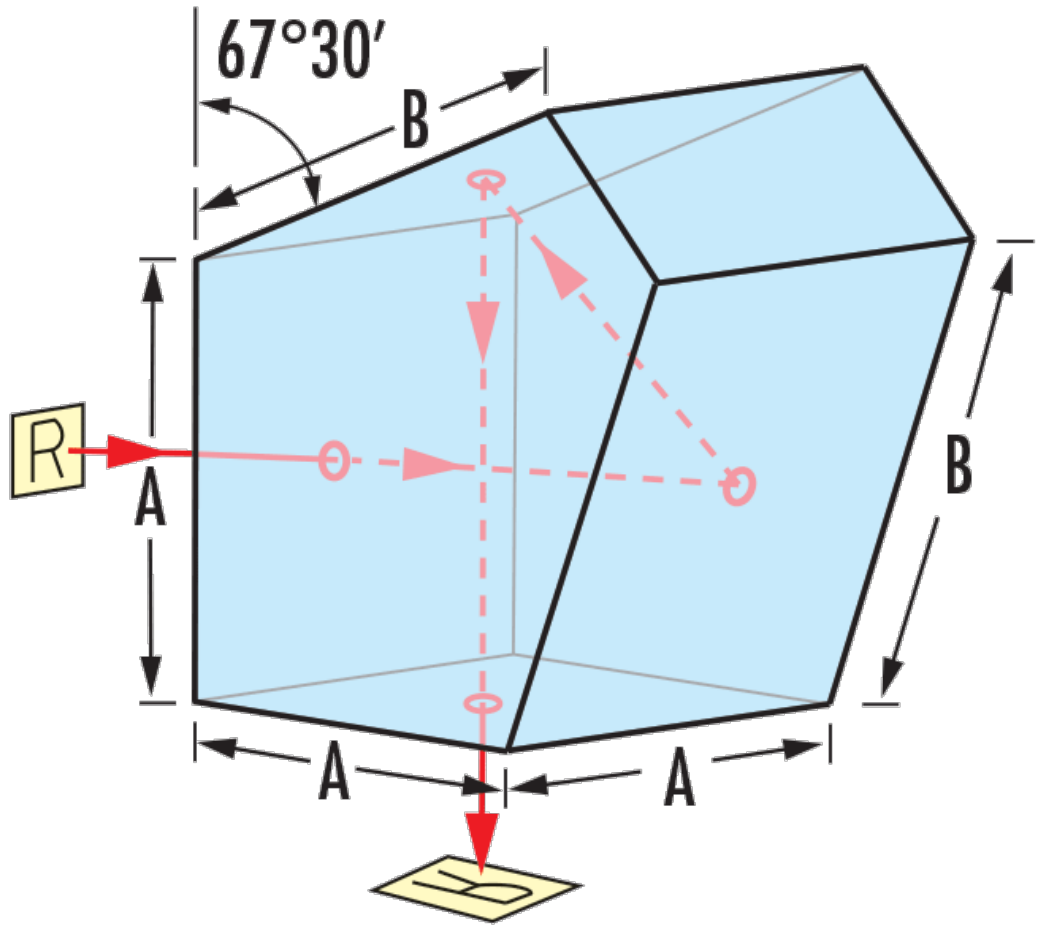
Stock No.	A	B
#49-016	5.00mm	6.10mm
#49-020		
#49-017	10.00mm	11.95mm
#49-021		
#49-018	20.00mm	21.65mm
#49-022		

#49-019	25.00mm	27.90mm
#49-023		



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.**