

TECHSPEC[®] 5mm Uncoated, Fused Silica Penta Prism



Stock **#49-016** CLEARANCE **20+ In Stock**

-

1

+

C\$148^{.40}

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Volume Pricing	
Qty 1+	C\$148.40 each
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SPECIFICATIONS

General

Type:
Penta Prism

Physical & Mechanical Properties

Dimensional Tolerance (mm):
±0.10

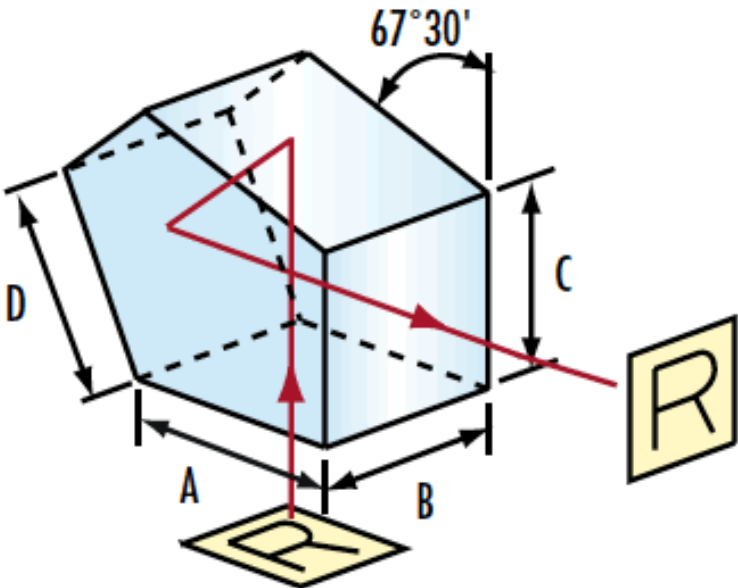
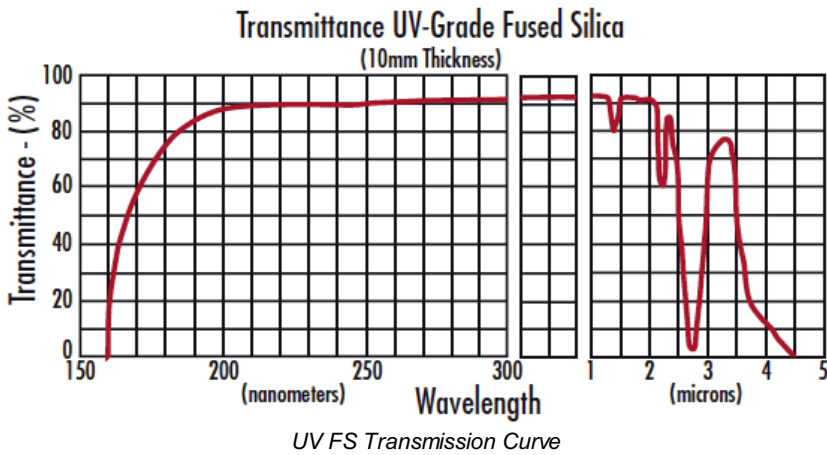
Protective as needed	Bevel:
5.00	Length of Legs (mm):
Optical Properties	
Uncoated	Coating:
Fused Silica (Corning 7980)	Substrate: □
20-10	Surface Quality:
±1	Angle Tolerance (arcmin):
Right-Handed	Image Orientation:
90	Ray Deviation (°):
200 - 2200	Wavelength Range (nm):
0.20	Power (fringes) @ 632.8nm:
0.20	Irregularity (fringes) @ 632.8nm:
Regulatory Compliance	
View	Certificate of Conformance:

PRODUCT DETAILS

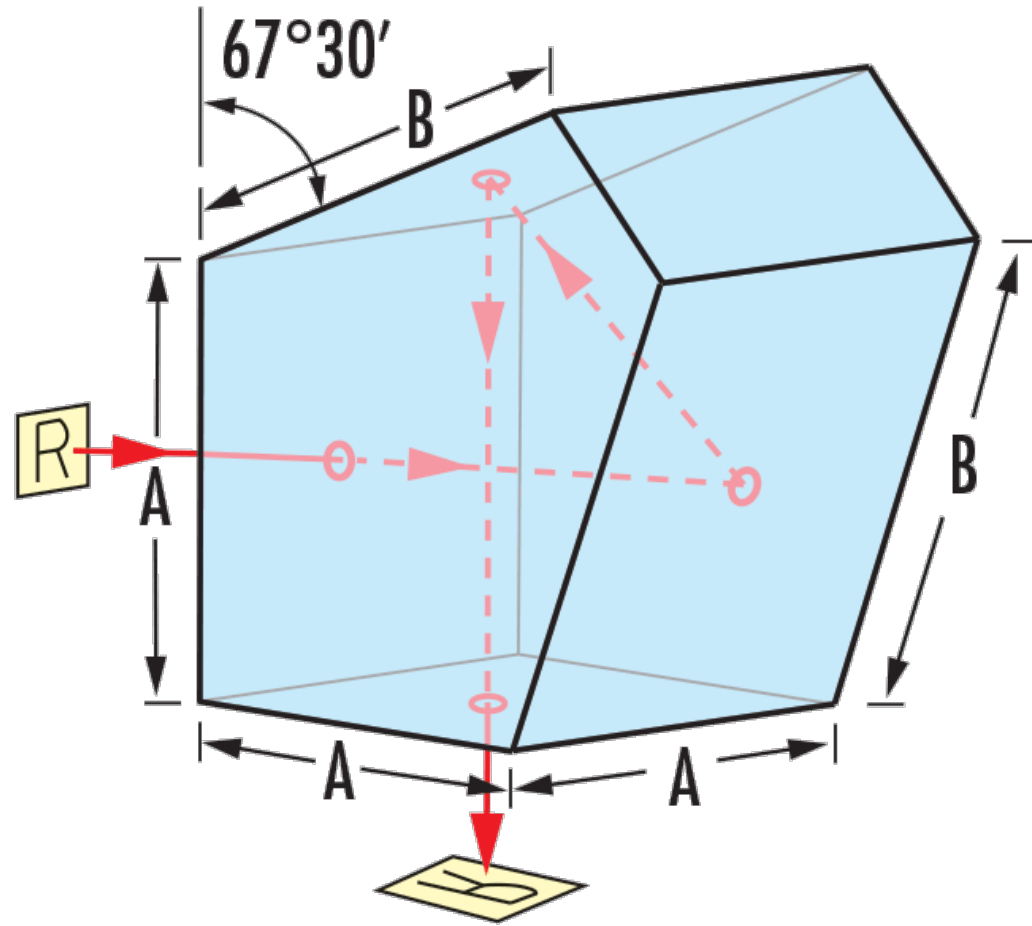
- Ray Deviation of 90°
- Right Handed Image
- Optical Tool for Defining a Right Angle
- Additional [Penta Prism](#) Options Available

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



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](#).