

**TECHSPEC® 20mm Uncoated, Fused Silica Penta Prism**



Stock #49-018 CLEARANCE **20+ In Stock**

- 1 + €131.<sup>00</sup>

**ADD TO CART**

Volume Pricing	
Qty 1+	€131,00 each
Need More?	<a href="#">Request Quote</a>

**!** Prices shown are exclusive of VAT/local taxes

Product Downloads

**General**

Penta Prism **Type:**

**Physical & Mechanical Properties**

±0.10 **Dimensional Tolerance (mm):**

Protective as needed **Bevel:**

**Optical Properties**

Uncoated **Coating:**

**Fused Silica** (Coming 7980) **Substrate:**

**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

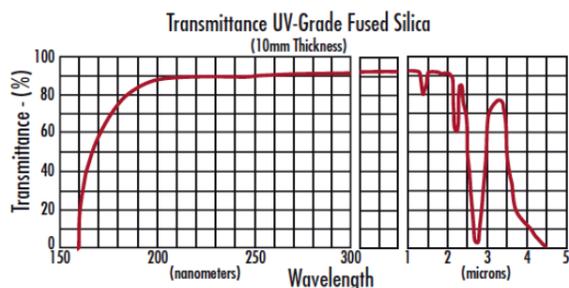
[View](#) **Certificate of Conformance:**

## Product Details

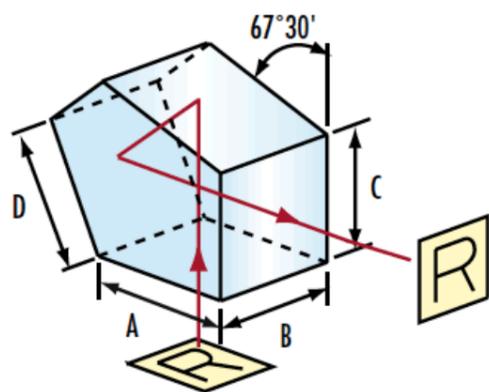
- Ray Deviation of 90°
- Right Handed Image
- Optical Tool for Defining a Right Angle
- Additional [Penta Prism](#) Options Available

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, VS, and NIR spectral ranges.

## Technical Information

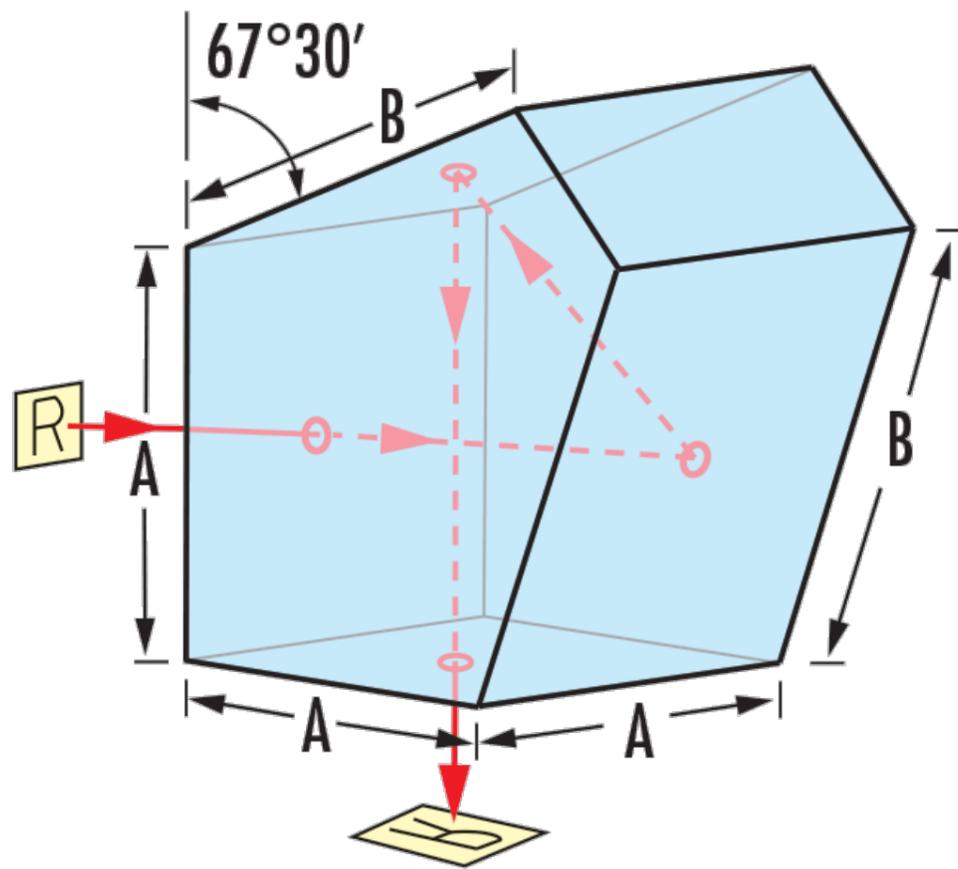


UV FS Transmission Curve



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Stock No.	A	B
<a href="#">#49-016</a>	5.00mm	6.10mm
<a href="#">#49-020</a>		
<a href="#">#49-017</a>	10.00mm	11.95mm
<a href="#">#49-021</a>		
<a href="#">#49-018</a>	20.00mm	21.65mm
<a href="#">#49-022</a>		
<a href="#">#49-019</a>	25.00mm	27.90mm
<a href="#">#49-023</a>		



## 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](#).