

TECHSPEC<sup>®</sup> 5mm Uncoated, Fused Silica Penta Prism



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

-

1

+

£87<sup>20</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1+         | £87.20 each                   |
| Need More?     | <a href="#">Request Quote</a> |

Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:  
Penta Prism

Physical & Mechanical Properties

Dimensional Tolerance (mm):  
±0.10

Bevel:  
Protective as needed

Length of Legs (mm):  
5.00

| Optical Properties          |  |                                     |
|-----------------------------|--|-------------------------------------|
| Uncoated                    |  | Coating:                            |
| Fused Silica (Corning 7980) |  | Substrate: <input type="checkbox"/> |
| 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:   |

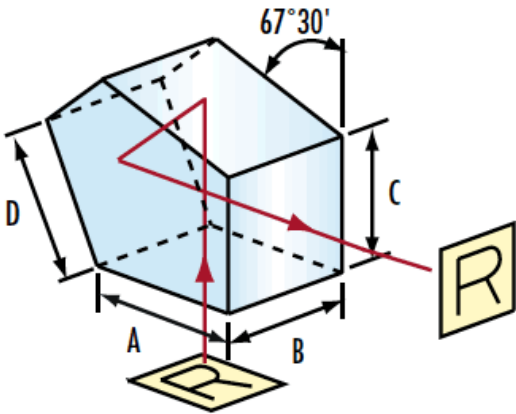
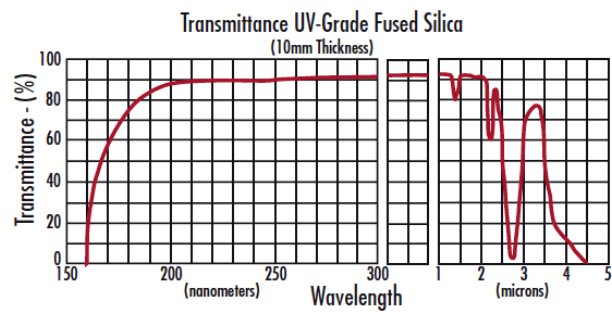
| Regulatory Compliance |                             |
|-----------------------|-----------------------------|
| View                  | Certificate of Conformance: |

## Product Details

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

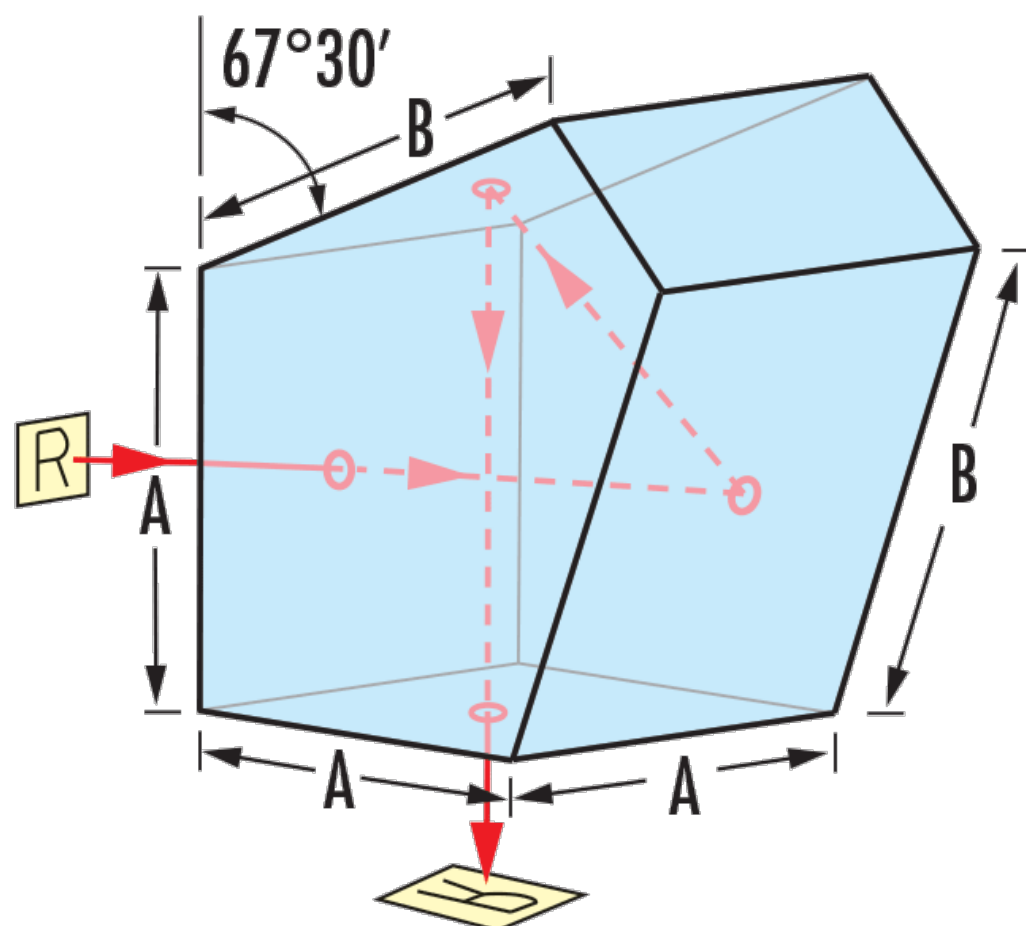
Penta prisms are five-sided prisms featuring a ray deviation of 90° and a right handed image. The UV-AR coated options also have aluminized reflecting surfaces for increased efficiency. Slight movement of the prism does not affect the true right angle at which light rays are reflected, making a penta 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



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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 |



## 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](#).