

# TECHSPEC® 5mm, Al & AR Coated, Fused Silica, Right Angle Prism



Stock #47-791 **6 In Stock**

1 MRP ₹12,510

Price inclusive of all taxes

**ADD TO CART**

TECHSPEC UV Fused Silica Right Angle Prisms

Volume Pricing	
Qty 1-5	₹12,510 each
Qty 6-25	₹9,989 each
Qty 26-49	₹9,383 each
Need More?	<a href="#">Request Quote</a>

Product Downloads

- STEP:step
- Curve:pdf
- PDF Drawing:pdf
- IGES:igs
- eDrawing:eprt
- EO Spec Sheet
- [Download All](#)

## General

**Type:** Right Angle Prism

## Physical & Mechanical Properties

**Dimensional Tolerance (mm):** ±0.10 Legs

**Bevel:** Protective as needed

**Length of Hypotenuse (mm):** 7.10

**Length of Legs (mm):** 5.00

## Optical Properties

**Coating:** MgF<sub>2</sub> & Aluminized

**Substrate:** [Fused Silica](#) (Corning 7980)

**Surface Quality:** 60-40

**Angle Tolerance (arcmin):** ±5

**Pyramid Tolerance (arcmin):** ±5

**Image Orientation:** Left-Handed

**Coating Specification:** Hypotenuse: R<sub>avg</sub> >85% @ 400 - 700nm  
Legs: R<sub>avg</sub> ≤1.75% @ 400 - 700 nm

**Ray Deviation (°):** 90

**Wavelength Range (nm):** 400 - 700

**Damage Threshold, By Design:** Hypotenuse: 0.3 J/cm<sup>2</sup> @ 532nm & 1064nm, 10ns  
Legs: 10 J/cm<sup>2</sup> @ 532nm, 10ns

**Power (fringes) @ 632.8nm:** 1.25

**Irregularity (fringes) @ 632.8nm:** 0.25

## Regulatory Compliance

<b>RoHS 2015:</b> <a href="#">Compliant</a>	<b>Certificate of Conformance:</b> <a href="#">View</a>
<b>Reach 235:</b> <a href="#">Compliant</a>	
<b>Country of Origin:</b> Singapore	<b>Imported By:</b> Edmund Optics India Private Limited 267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038 Phone: +91-80-6845 0000

## Need different specs or modifications?

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

- Ideal for Broadband Applications
- Available with Aluminized and AR Coated Faces
- Sizes Ranging from 5 - 50mm
- Additional [Right Angle Prism](#) Options Available

TECHSPEC® Fused Silica Right Angle Prisms are ideal for broadband applications. Right angle prisms are generally 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® Fused Silica Right Angle Prisms are made from UV fused silica which features low thermal expansion and excellent transmission throughout the UV, visible, and NIR spectral ranges. The prisms are available in lengths ranging from 5 to 50mm.

## Technical Information

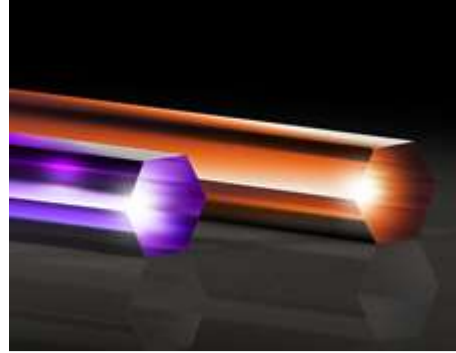
*UV FS Transmission Curve*

## Frequently Purchased Together



#45-662 - 9mm Uncoated, Amici Roof Prism  
₹9,989

Qty



#65-832 - 5mm Aperture x 30mm L High NA, Fused Silica Light Pipe  
₹20,582

Qty

## Resources

### Media Type

- Application Note
- Video
- FAQ
- Glossary

APPLICATION NOTE

Anti-Reflection (AR) Coatings

APPLICATION NOTE

An Introduction to Optical Coatings

APPLICATION NOTE

UV vs. IR Grade Fused Silica

VIDEO

Optical Prisms Review

FAQ

I'd like to adhere two prisms together. ho...

GLOSSARY

Dove Prism

[View More](#)