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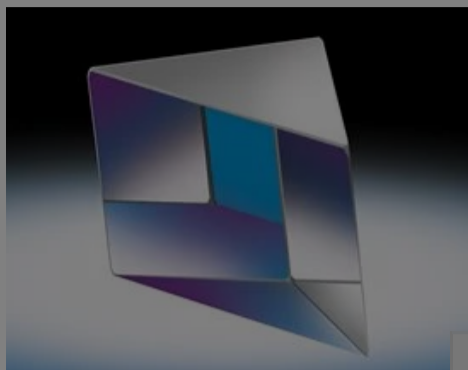
**TECHSPEC®**

15mm, 1064nm

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Select Your Country/Region: European Union

Submit



Stock #83-332 **14 In Stock**

1

€178<sup>.00</sup>

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Volume Pricing	
Qty 1-5	€178,00 each
Qty 6-25	€143,00 each
Qty 26-49	€134,00 each
Need More?	<a href="#">Request Quote</a>

Prices shown are exclusive of VAT/local taxes

Product Downloads

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

General

Type: Right Angle Prism

Physical & Mechanical Properties

Dimensional Tolerance (mm): +0.00/-0.10

Bevel: Protective as needed

Length of Hypotenuse (mm): 21.20

Length of Legs (mm): 15.00

Optical Properties

Angle Tolerance (arcsec): ±40

Coating: Laser V-Coat (1064nm)

Design Wavelength DWL (nm): 1064

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

Surface Quality: 20-10

Pyramid Tolerance (arcmin): ±1

Image Orientation: Left-Handed

Coating Specification: R<sub>abs</sub> <0.25% @ 1064nm

Ray Deviation (°): 90

Damage Threshold, By Design: 15 J/cm<sup>2</sup> @ 1064nm, 20ns, 20Hz

Power (fringes) @ 632.8nm: 1.25

Irregularity (fringes) @ 632.8nm: 0.20

Regulatory Compliance

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## Need different specifications?

Edmund Optics offers comprehensive custom manufacturing capabilities for a wide range of applications and 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

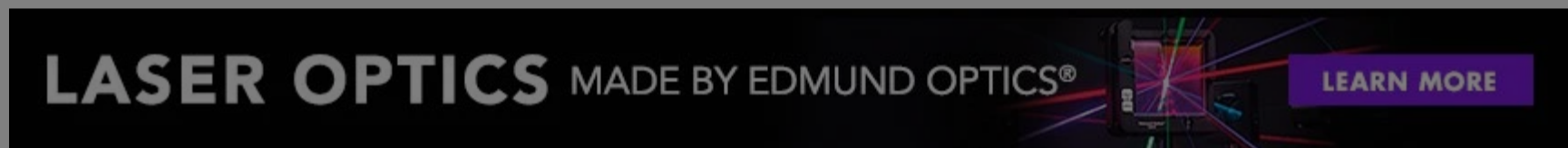
Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

## Product Details

- 355nm, 532nm and 1064nm Options Available
- High Damage Threshold
- Ray Deviation of 90°
- Additional **Right Angle Prisms** Available

TECHSPEC® High Power Laser Line Fused Silica Right Angle Prisms provide high damage thresholds ranging from 2 - 5J/cm<sup>2</sup> allowing for easy integration into most Nd:YAG laser systems. They feature low arcsecond angle tolerance and are made from precision UV fused silica, making them ideal for laser based applications requiring precise alignment.

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.



## Technical Information

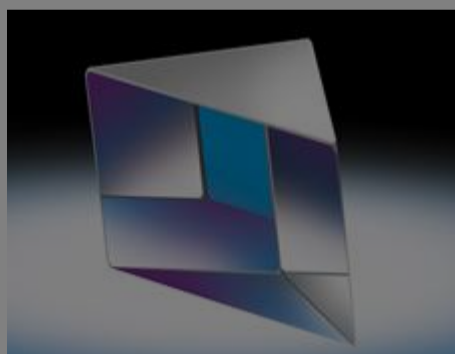
*Right Angle Prism Ray Path*

*Right Angle Prism Ray Path*

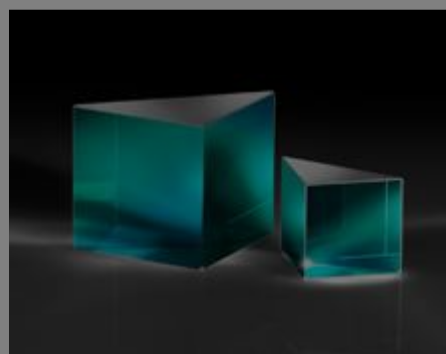
*Right Angle Prism Tunnel Diagram*

*Right Angle Prism Tunnel Diagram*

## Frequently Purchased Together



#83-333 - 20mm, 1064nm V-Coat, Laser Line Fused Silica Right Angle Prism  
**€183,00**



#84-509 - 20mm VIS 0° Coated, N-BK7 Right Angle Prism (Leg Coated)  
**€138,00**

# Resources

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