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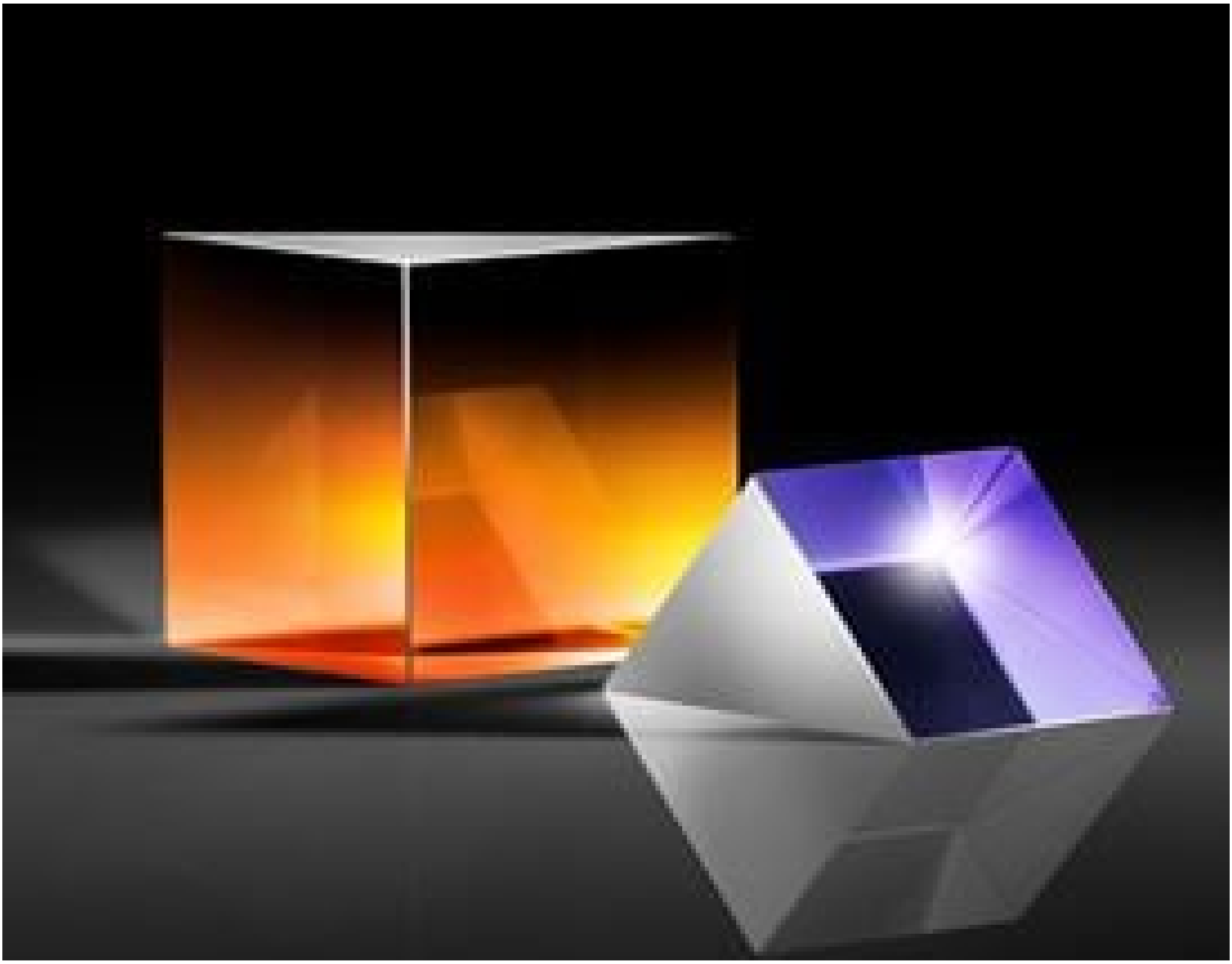
TECHSPEC® 5mm λ/20, 532nm V-Coat, Nd:YAG Right Angle Prism



TECHSPEC Nd:YAG Laser Line λ/20 UV Fused Silica Right Angle Prisms

Stock **#37-628** **8 In Stock**

- 1 + **C$459.20**

ADD TO CART

Volume Pricing	
Qty 1-5	**C$459.20** each
Qty 6-25	**C$382.20** each
Qty 26-49	**C$366.80** each
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Product Downloads

General

Type:

Right Angle Prism

Physical & Mechanical Properties

Dimensional Tolerance (mm):

+0.00/-0.10

Bevel:

Protective as needed

Clear Aperture (%):
90

Length of Hypotenuse (mm):
7.10

Length of Legs (mm):
5.00

Optical Properties

Angle Tolerance (arcsec):
±15

Coating:
Laser V-Coat (532nm)

Design Wavelength DWL (nm):
532

Substrate:
Fused Silica (Corning 7980)

Surface Quality:
20-10

Pyramid Tolerance (arcmin):
±1

Image Orientation:
Left-Handed

Coating Specification:
R_{abs} <0.25% @ 532nm

Surface Flatness (P-V):
λ/20

Damage Threshold, By Design:
10 J/cm^2, 20ns, 20 Hz

Regulatory Compliance

RoHS 2015:
Compliant

Reach 209:
Compliant

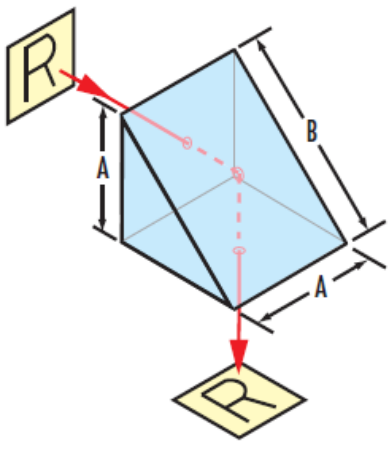
Certificate of Conformance:
View

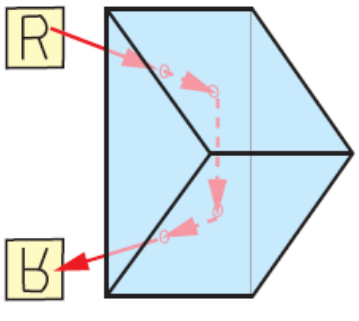
Product Details

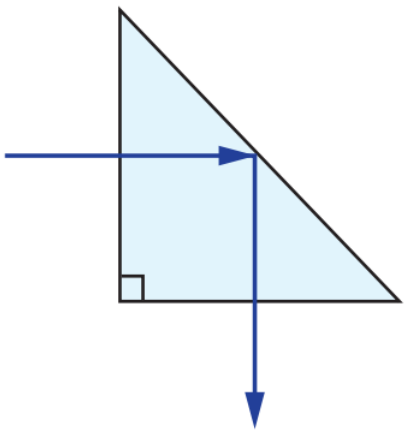
- λ/20 Surface Flatness
- <0.25% Reflection for Nd:YAG Applications
- 5 - 25mm Sizes Available

TECHSPEC® Nd:YAG Laser Line λ/20 Fused Silica Right Angle Prisms offer a combination of precision surface flatness and guaranteed laser damage threshold AR coatings. These prisms are ideal for beam steering with minimal wavefront distortion due to λ/20 surface flatness on all faces. A ±15 arcsecond angular tolerance ensures consistent alignment for volume integration. TECHSPEC® Nd:YAG Laser Line λ/20 Fused Silica Right Angle Prisms are designed for transmission through the anti-reflection coated legs of the prism, resulting in a 90° turn in beam direction. A vertically integrated manufacturing process ensures these prisms are easily scaled for custom requests.

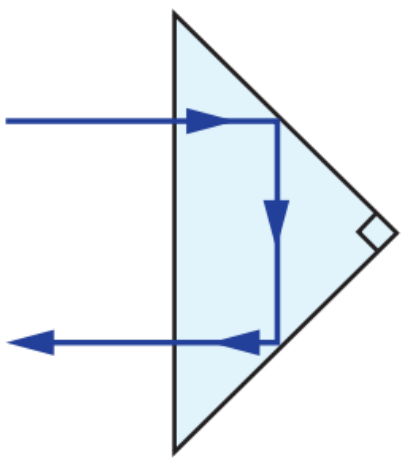
Technical Information







Right Angle Prism Ray Path



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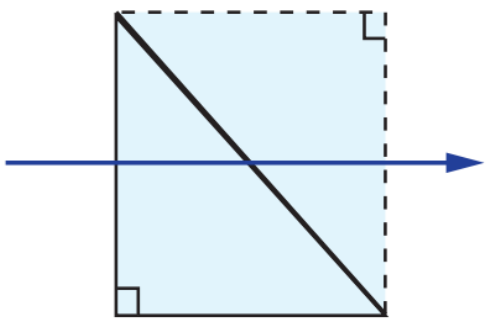
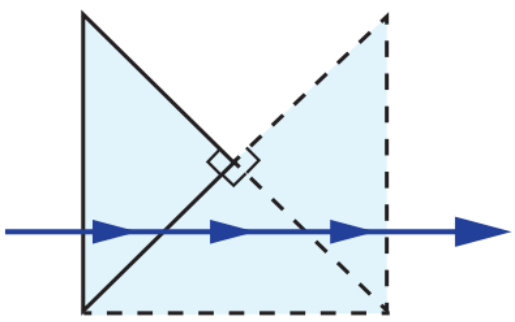


Right Angle Prism Tunnel Diagram



Right Angle Prism Tunnel Diagram

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.**