

TECHSPEC<sup>®</sup> 20mm  $\lambda/20$ , 355nm V-Coat, Nd:YAG Right Angle Prism



TECHSPEC Nd:YAG Laser Line  $\lambda/20$  UV Fused Silica Right Angle Prisms

Stock **#37-626** 8 In Stock

-

1

+

€395<sup>00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | €395,00 each                  |
| Qty 6-25       | €327,00 each                  |
| Qty 26-49      | €316,00 each                  |
| Need More?     | <a href="#">Request Quote</a> |

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

Product Downloads

General

Right Angle Prism

Type:

Physical & Mechanical Properties

+0.00/-0.10

Dimensional Tolerance (mm):

Bevel:

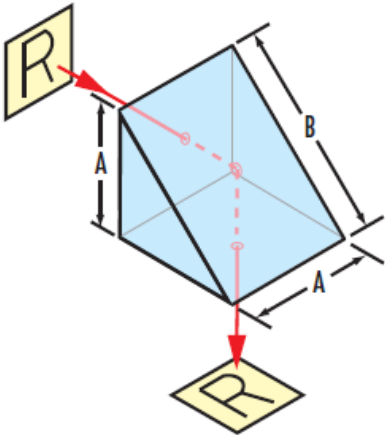
|                                     |                                |
|-------------------------------------|--------------------------------|
| Protective as needed                |                                |
| 90                                  | Clear Aperture (%):            |
| 28.30                               | Length of Hypotenuse (mm):     |
| 20.00                               | Length of Legs (mm):           |
| Optical Properties                  |                                |
| ±15                                 | Angle Tolerance (arcsec):      |
| Laser V-Coat (355nm)                | Coating:                       |
| 355                                 | Design Wavelength DWL (nm):    |
| Fused Silica (Corning 7980)         | Substrate: □                   |
| 20-10                               | Surface Quality:               |
| ±1                                  | Pyramid Tolerance (arcmin):    |
| Left-Handed                         | Image Orientation:             |
| R <sub>abs</sub> <0.25% @ 355nm     | Coating Specification:         |
| λ/20                                | Surface Flatness (P-V):        |
| 7.5 J/cm <sup>2</sup> , 20ns, 20 Hz | Damage Threshold, By Design: □ |
| Regulatory Compliance               |                                |
| Compliant                           | RoHS 2015:                     |
| Compliant                           | Reach 209:                     |
| View                                | Certificate of Conformance:    |

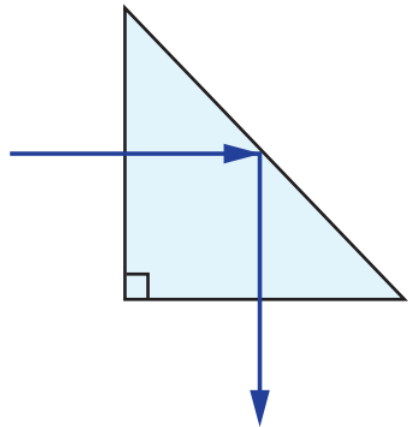
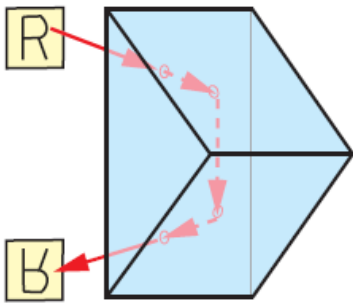
## Product Details

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

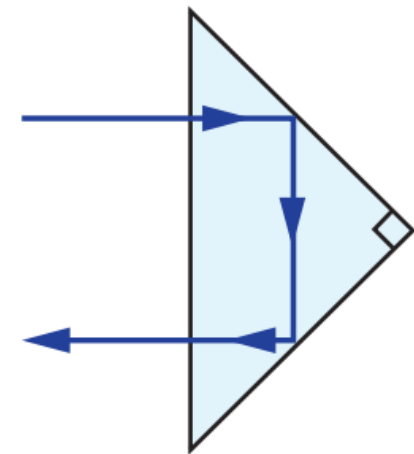
TECHSPEC® Nd:YAG Laser Line λ/20 Fused Silica Right Angle Prisms offer a combination of precision surface flatness and guaranteed laser damage threshold AR coatings. These prisms are ideal for beam steering with minimal wavefront distortion due to λ/20 surface flatness on all faces. A±15 arcsecond angular 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

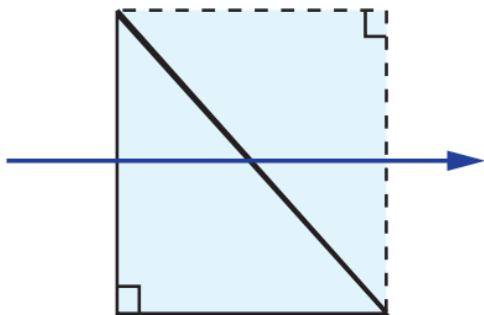




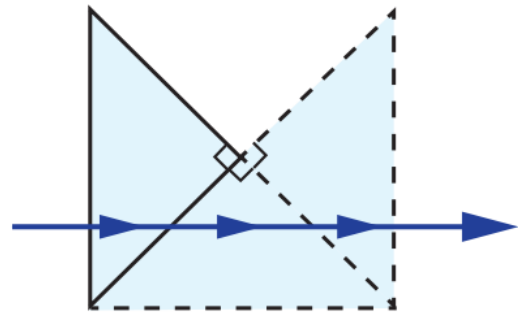
Right Angle Prism Ray Path



Right Angle Prism Ray Path



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](#).