

TECHSPEC<sup>®</sup> 12.5mm  $\lambda/20$ , 532nm V-Coat, Nd:YAG Right Angle Prism



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

Stock **#37-630** **5 In Stock**

-

1

+

A\$576<sup>00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | <b>A\$576.00</b> each         |
| Qty 6-25       | <b>A\$460.80</b> each         |
| Qty 26-49      | <b>A\$433.60</b> each         |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

| General                          |                             |
|----------------------------------|-----------------------------|
| Right Angle Prism                | Type:                       |
| Physical & Mechanical Properties |                             |
| +0.00/-0.10                      | Dimensional Tolerance (mm): |
| Protective as needed             | Bevel:                      |

|                                 |                                                       |
|---------------------------------|-------------------------------------------------------|
| 90                              | Clear Aperture (%):                                   |
| 17.70                           | Length of Hypotenuse (mm):                            |
| 12.50                           | Length of Legs (mm):                                  |
| Optical Properties              |                                                       |
| ±15                             | Angle Tolerance (arcsec):                             |
| Laser V-Coat (532nm)            | Coating:                                              |
| 532                             | Design Wavelength DWL (nm):                           |
| Fused Silica (Corning 7980)     | Substrate: <input type="checkbox"/>                   |
| 20-10                           | Surface Quality:                                      |
| ±1                              | Pyramid Tolerance (arcmin):                           |
| Left-Handed                     | Image Orientation:                                    |
| R <sub>abs</sub> <0.25% @ 532nm | Coating Specification:                                |
| λ/20                            | Surface Flatness (P-V):                               |
| 10 J/cm², 20ns, 20 Hz           | Damage Threshold, By Design: <input type="checkbox"/> |

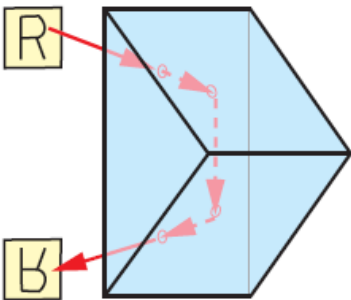
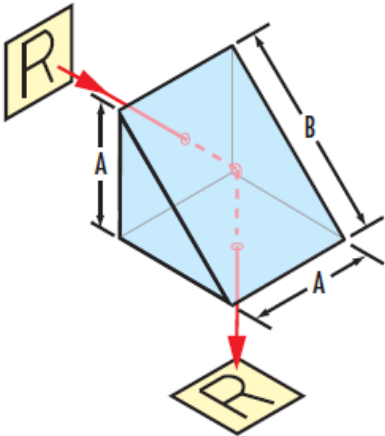
|                       |                             |
|-----------------------|-----------------------------|
| Regulatory Compliance |                             |
| Compliant             | RoHS 2015:                  |
| Compliant             | Reach 209:                  |
| View                  | Certificate of Conformance: |

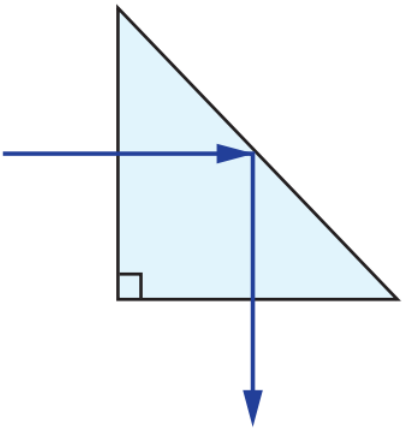
## Product Details

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

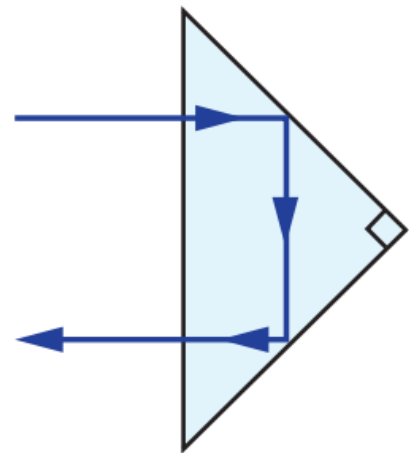
TECHSPEC® Nd:YAG Laser Line λ/20 Fused Silica Right Angle Prisms offer a combination of precision surface flatness and guaranteed laser damage threshold AR coatings. These prisms are ideal for beam steering with minimal wavefront distortion due to λ/20 surface flatness on all faces. A±15 arcsecond angular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

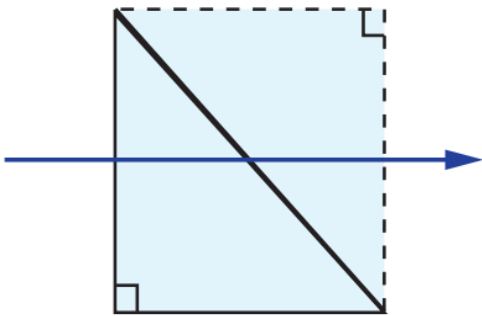




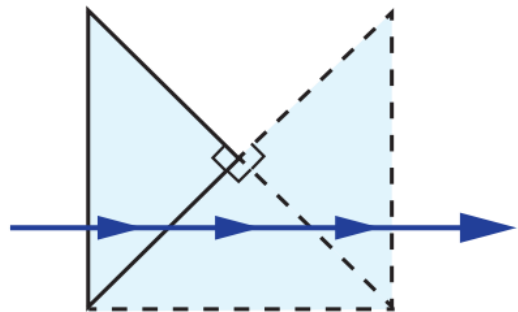
Right Angle Prism Ray Path



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](#).