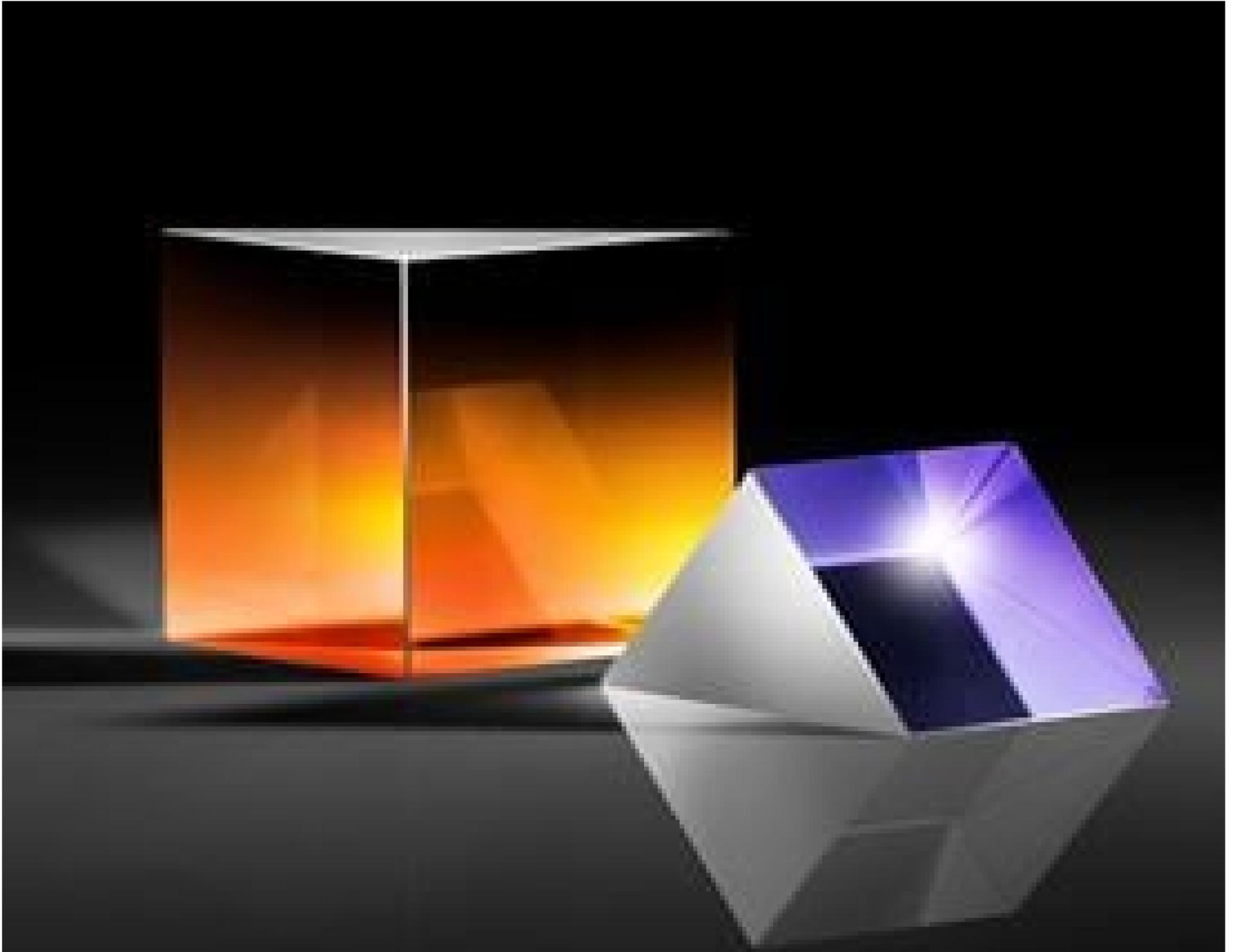


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**TECHSPEC® 5mm  $\lambda/20$ , 355nm V-Coat, Nd:YAG Right Angle Prism**



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

Stock **#37-622** **6 In Stock**

⊖ 1 ⊕ €328<sup>00</sup>

**ADD TO CART**

Volume Pricing	
Qty 1-5	€328,00 each
Qty 6-25	€273,00 each
Qty 26-49	€262,00 each
Need More?	<a href="#">Request Quote</a>

ⓘ 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 (%)**

7.10 **Length of Hypotenuse (mm)**

5.00 **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:**

$R_{\text{abs}} < 0.25\%$  @ 355nm **Coating Specification:**

$\lambda/20$  **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:**

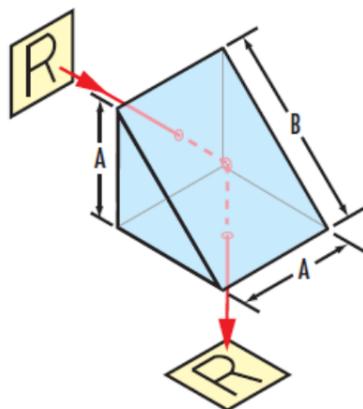
**View** **Certificate of Conformance:**

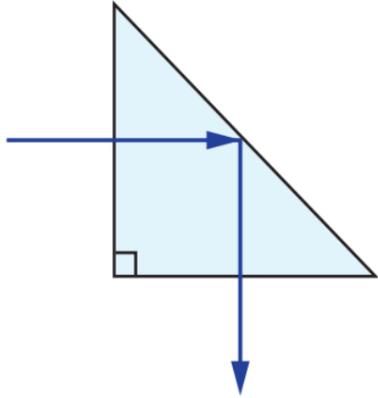
## Product Details

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

TECHSPEC® Nd:YAG Laser Line  $\lambda/20$  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  $\lambda/20$  surface flatness on all faces.  $\pm 15$  arcsecond angular tolerance ensures consistent alignment for volume integration. TECHSPEC® Nd:YAG Laser Line  $\lambda/20$  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





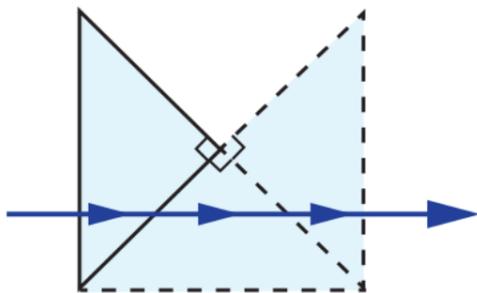
*Right Angle Prism Ray Path*



*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](#).