

TECHSPEC<sup>®</sup> 20mm, Al & VIS 0° Coated, N-BK7 High Tolerance RA Prism



N-BK7 High Tolerance Right Angle Prisms

Stock **#47-595** 20+ In Stock

-

1

+

A\$233<sup>00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | A\$233.60 each                |
| Qty 6-25       | A\$187.20 each                |
| Qty 26-49      | A\$176.00 each                |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

SPECIFICATIONS

General

Right Angle Prism

Type:

Physical & Mechanical Properties

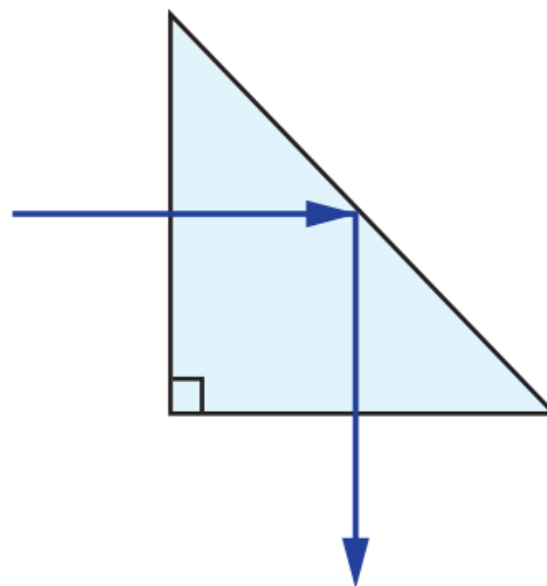
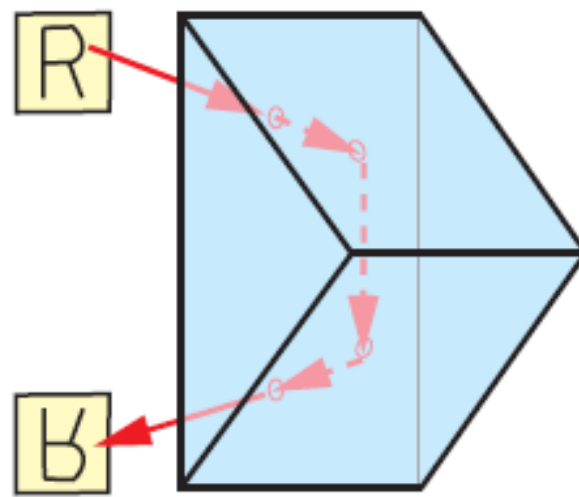
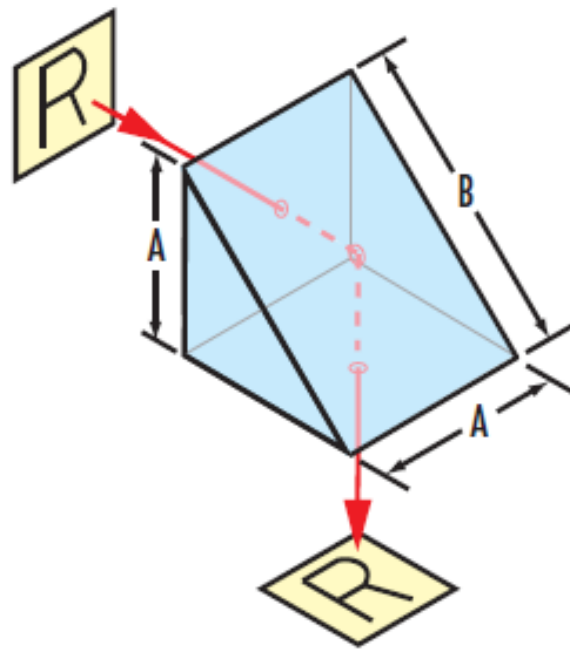
|                                                                                                                                     |                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
|                                                                                                                                     |                                                       |
| +0/-0.1                                                                                                                             | Dimensional Tolerance (mm):                           |
|                                                                                                                                     |                                                       |
| Protective as needed                                                                                                                | Bevel:                                                |
|                                                                                                                                     |                                                       |
|                                                                                                                                     |                                                       |
| 28.30                                                                                                                               | Length of Hypotenuse (mm):                            |
|                                                                                                                                     |                                                       |
| 20.00                                                                                                                               | Length of Legs (mm):                                  |
|                                                                                                                                     |                                                       |
| Optical Properties                                                                                                                  |                                                       |
| ±15                                                                                                                                 | Angle Tolerance (arcsec):                             |
|                                                                                                                                     |                                                       |
| VIS 0° & Aluminized                                                                                                                 | Coating:                                              |
|                                                                                                                                     |                                                       |
| N-BK7                                                                                                                               | Substrate: <input type="checkbox"/>                   |
|                                                                                                                                     |                                                       |
| 40-20                                                                                                                               | Surface Quality:                                      |
|                                                                                                                                     |                                                       |
| Left-Handed                                                                                                                         | Image Orientation:                                    |
|                                                                                                                                     |                                                       |
| Hypotenuse: R <sub>avg</sub> >85% @ 400 - 700nm, R <sub>avg</sub> >90% @ 400 - 2000nm<br>Legs: R <sub>avg</sub> ≤0.4% @ 425 - 675nm | Coating Specification:                                |
|                                                                                                                                     |                                                       |
| 90                                                                                                                                  | Ray Deviation (°):                                    |
|                                                                                                                                     |                                                       |
| 425 - 675                                                                                                                           | Wavelength Range (nm):                                |
|                                                                                                                                     |                                                       |
| Hypotenuse: 0.3 J/cm <sup>2</sup> @ 532nm & 1064nm, 10ns<br>Legs: 5 J/cm <sup>2</sup> @ 532nm, 10ns                                 | Damage Threshold, By Design: <input type="checkbox"/> |
|                                                                                                                                     |                                                       |
| 1.25                                                                                                                                | Power (fringes) @ 632.8nm:                            |
|                                                                                                                                     |                                                       |
| 0.25                                                                                                                                | Irregularity (fringes) @ 632.8nm:                     |
|                                                                                                                                     |                                                       |
| Regulatory Compliance                                                                                                               |                                                       |
| Compliant                                                                                                                           | RoHS 2015:                                            |
|                                                                                                                                     |                                                       |
| Compliant                                                                                                                           | Reach 219:                                            |
|                                                                                                                                     |                                                       |
| View                                                                                                                                | Certificate of Conformance:                           |
|                                                                                                                                     |                                                       |

## PRODUCT DETAILS

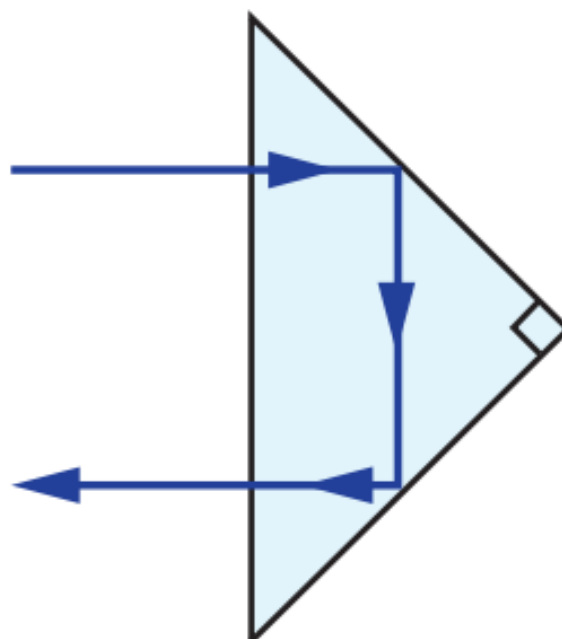
- Ray Deviation of 90°
- Left Handed Image
- Low Arcsecond Angle Tolerance
- Additional [Right Angle Prism](#) Options Available

TECHSPEC® N-BK7 High Tolerance Right Angle Prisms are generally used to bend image paths or redirect light at 90°. This process produces a left-handed image, depending on the prism's orientation, the image may be inverted or reverted. Right angle prisms can also be combined for image/beam displacement. TECHSPEC® N-BK7 High Tolerance Right Angle Prisms feature low arcsecond angle tolerance and are made from precision N-BK7 for use in a variety of visible light applications. These prisms are available uncoated, with a protective aluminum overcoat, or VIS° & aluminized.

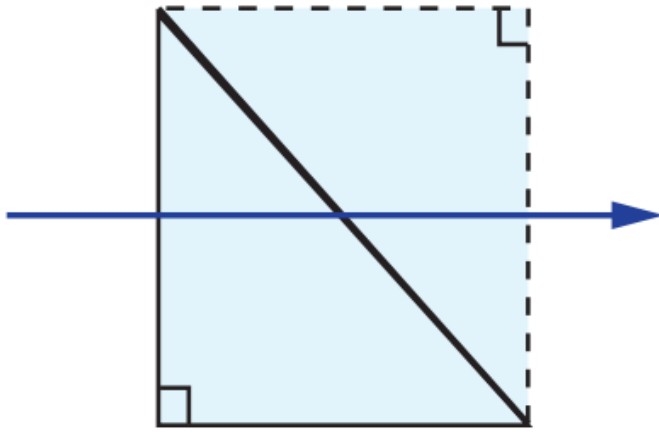
## TECHNICAL INFORMATION



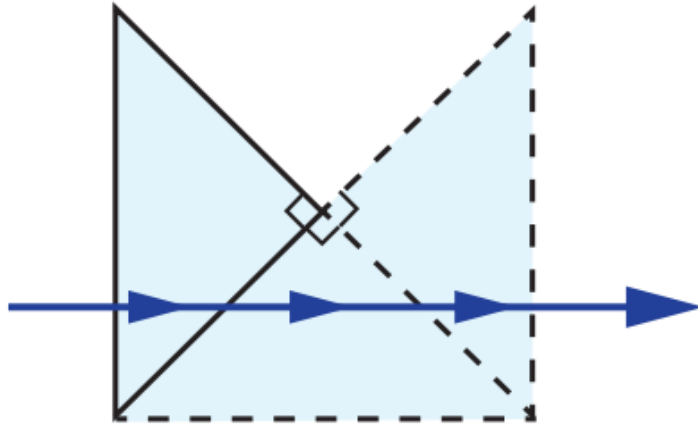
*Right Angle Prism Ray Path*



*Right Angle Prism Ray Path*



*Right Angle Prism Tunnel Diagram*



*Right Angle Prism Tunnel Diagram*

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