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**TECHSPEC® 5mm, Aluminum, High Tolerance N-BK7 Right Angle Prism**



N-BK7 High Tolerance Right Angle Prisms

Stock #32-540 **20+ In Stock**

⊖ 1 ⊕ **\$151.20**

**ADD TO CART**

Volume Pricing	
Qty 1-5	<b>\$151.20</b> each
Qty 6-25	<b>\$120.40</b> each
Qty 26-49	<b>\$112.70</b> each
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**General**

Right Angle Prism **Type:**

**Physical & Mechanical Properties**

+0/-0.1 **Dimensional Tolerance (mm):**

Protective as needed **Bevel:**

7.10 Length of Hypotenuse (mm):

5.00 Length of Legs (mm):

## Optical Properties

±15 Angle Tolerance (arcsec):

Aluminum with protective overcoat Coating:

N-BK7 Substrate:

40-20 Surface Quality:

Left-Handed Image Orientation:

Coating Specification:  
Reflective Surfaces:  $R_{avg} > 85\%$  FROM 400-700nm, @ 45° AOI

90 Ray Deviation (°):

400 - 2000 Wavelength Range (nm):

Damage Threshold, By Design:   
Hypotenuse:  $0.3 \text{ J/cm}^2$  @ 532nm & 1064nm, 10ns

1.25 Power (fringes) @ 632.8nm:

0.25 Irregularity (fringes) @ 632.8nm:

## Regulatory Compliance

Compliant RoHS 2015:

Compliant Reach 219:

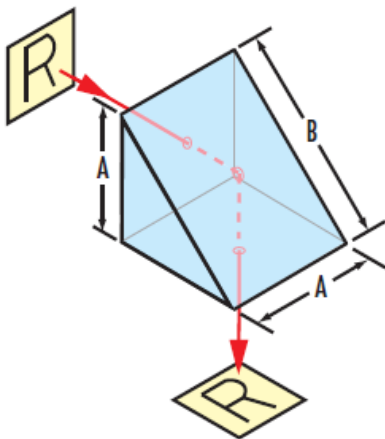
View Certificate of Conformance:

## Product Details

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

TECHSPEC® High Tolerance N-BK7 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® High Tolerance N-BK7 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*