

TECHSPEC<sup>®</sup> 5mm, Al & VIS 0°, High Tolerance N-BK7 Right Angle Prism



N-BK7 High Tolerance Right Angle Prisms

Stock **#47-929** [CONTACT US](#)

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+

A\$211<sup>20</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | A\$211.20 each                |
| Qty 6-25       | A\$168.00 each                |
| Qty 26-49      | A\$157.60 each                |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

| General                          |                             |
|----------------------------------|-----------------------------|
| Right Angle Prism                | Type:                       |
| Physical & Mechanical Properties |                             |
| +0/-0.1                          | Dimensional Tolerance (mm): |
| Protective as needed             | Bevel:                      |

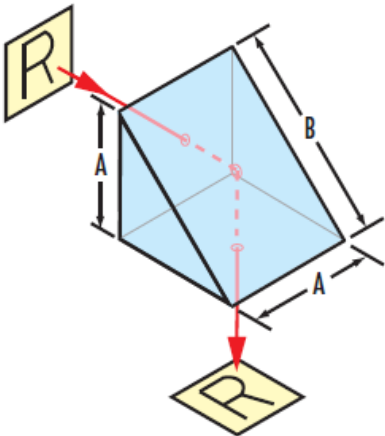
|                                                                                                                                                               |                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| 7.10                                                                                                                                                          | Length of Hypotenuse (mm):          |
| 5.00                                                                                                                                                          | Length of Legs (mm):                |
| Optical Properties                                                                                                                                            |                                     |
| ±15                                                                                                                                                           | Angle Tolerance (arcsec):           |
| VIS 0° & Aluminized                                                                                                                                           | Coating:                            |
| N-BK7                                                                                                                                                         | Substrate: <input type="checkbox"/> |
| 40-20                                                                                                                                                         | Surface Quality:                    |
| Left-Handed                                                                                                                                                   | Image Orientation:                  |
| Coating Specification:<br>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 |                                     |
| 90                                                                                                                                                            | Ray Deviation (°):                  |
| 425 - 675                                                                                                                                                     | Wavelength Range (nm):              |
| Damage Threshold, By Design: <input type="checkbox"/><br>Hypotenuse: 0.3 J/cm <sup>2</sup> @ 532nm & 1064nm, 10ns<br>Legs: 5 J/cm <sup>2</sup> @ 532nm, 10ns  |                                     |
| 1.25                                                                                                                                                          | Power (fringes) @ 632.8nm:          |
| 0.25                                                                                                                                                          | Irregularity (fringes) @ 632.8nm:   |

|                       |                             |
|-----------------------|-----------------------------|
| Regulatory Compliance |                             |
| Compliant             | RoHS 2015:                  |
| View                  | Certificate of Conformance: |
| Compliant             | Reach 235:                  |

## 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