

TECHSPEC<sup>®</sup> 50mm, AL & VIS 0°, High Tolerance N-BK7 Right Angle Prism



N-BK7 High Tolerance Right Angle Prisms

Stock **#65-932** **5 In Stock**

-

1

+

€293<sup>00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | €293,00 each                  |
| Qty 6-25       | €235,00 each                  |
| Qty 26-49      | €220,00 each                  |
| Need More?     | <a href="#">Request Quote</a> |

**i** Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Right Angle Prism

Type:

Physical & Mechanical Properties

+0/-0.1

Dimensional Tolerance (mm):

Bevel:

|                                                                                                                                                               |                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| Protective as needed                                                                                                                                          |                                     |
| 70.70                                                                                                                                                         | Length of Hypotenuse (mm):          |
| 50.00                                                                                                                                                         | 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