

TECHSPEC® 3.2mm, AL & VIS 0°, High Tolerance N-BK7 Right Angle Prism



N-BK7 High Tolerance Right Angle Prisms

Stock #65-981 [CONTACT US](#)

1 MRP ₹14,730

Price inclusive of all taxes

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| Volume Pricing | |
|----------------|-------------------------------|
| Qty 1-5 | ₹14,730 each |
| Qty 6-25 | ₹11,805 each |
| Qty 26-49 | ₹11,098 each |
| Need More? | Request Quote |

Product Downloads

General

Right Angle Prism **Type:**

Physical & Mechanical Properties

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

Bevel:

Protective as needed

Length of Hypotenuse (mm):

4.50

Length of Legs (mm):

3.20

Optical Properties

Angle Tolerance (arcsec):

±15

Coating:

VIS 0° & Aluminized

Substrate:

[N-BK7](#)

Surface Quality:

40-20

Image Orientation:

Left-Handed

Coating Specification:

Hypotenuse: $R_{avg} > 85\%$ @ 400 - 700nm, $R_{avg} > 90\%$ @ 400 - 2000nm
Legs: $R_{avg} \leq 0.4\%$ @ 425 - 675nm

Ray Deviation (°):

90

Wavelength Range (nm):

425 - 675

Damage Threshold, By Design:

Hypotenuse: 0.3 J/cm^2 @ 532nm & 1064nm, 10ns
Legs: 5 J/cm^2 @ 532nm, 10ns

Power (fringes) @ 632.8nm:

1.25

Irregularity (fringes) @ 632.8nm:

0.25

Regulatory Compliance

RoHS 2015:

[Compliant](#)

Certificate of Conformance:

[View](#)

Reach 235:

[Compliant](#)

Country of Origin:

Singapore

Imported By:

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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

