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TECHSPEC® 5mm, AI & VIS 0°, High Tolerance N-BK7 Right Angle Prism



N-BK7 High Tolerance Right Angle Prisms

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

1 [-](#) [+](#) MRP ₹13,317

Price inclusive of all taxes

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Volume Pricing	
Qty 1-5	₹13,317 each
Qty 6-25	₹10,594 each
Qty 26-49	₹9,938 each
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General

Right Angle Prism **Type:**

Physical & Mechanical Properties

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

Bevel:

Protective as needed

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:

40-20 Surface Quality:

Left-Handed Image Orientation:

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

90 Ray Deviation (°):

425 - 675 Wavelength Range (nm):

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

Singapore Country of Origin:

Imported By:
Edmund Optics India Private Limited
267, Greystone Building, Second Floor,
6th Cross Rd, Binnamangala,
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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

