

TECHSPEC®

5mm NIR I Coated, N-BK7 Right Angle Prism (Leg Coated)



Stock **#84-521** 20+ In Stock

-

1

+

€120<sup>,00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | €120,00 each                  |
| Qty 6-25       | €96,50 each                   |
| Qty 26-49      | €96,00 each                   |
| Need More?     | <a href="#">Request Quote</a> |

!

 Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Right Angle Prism

Type:

Coating on Entrance/Exit Faces

Note:

Physical & Mechanical Properties

+0.00/-0.10

Dimensional Tolerance (mm):

|                                                            |                                                       |
|------------------------------------------------------------|-------------------------------------------------------|
| Protective as needed                                       | Bevel:                                                |
| 90                                                         | Clear Aperture (%):                                   |
| 7.10                                                       | Length of Hypotenuse (mm):                            |
| 5.00                                                       | Length of Legs (mm):                                  |
| Optical Properties                                         |                                                       |
| ±15                                                        | Angle Tolerance (arcsec):                             |
| NIR I (600-1050nm)                                         | Coating:                                              |
| N-BK7                                                      | Substrate: <input type="checkbox"/>                   |
| 40-20                                                      | Surface Quality:                                      |
| Left-Handed                                                | Image Orientation:                                    |
| Entrance/Exit Faces: R <sub>avg</sub> ≤0.5% @ 600 - 1050nm | Coating Specification:                                |
| 90                                                         | Ray Deviation (°):                                    |
| 600 - 1050                                                 | Wavelength Range (nm):                                |
| Entrance/Exit Faces: 7 J/cm <sup>2</sup> @ 1064nm, 10ns    | Damage Threshold, By Design: <input type="checkbox"/> |
| 1.25                                                       | Power (fringes) @ 632.8nm:                            |
| 0.25                                                       | Irregularity (fringes) @ 632.8nm:                     |
| Regulatory Compliance                                      |                                                       |
| Compliant                                                  | RoHS 2015:                                            |
| View                                                       | Certificate of Conformance:                           |
| Compliant                                                  | Reach 235:                                            |

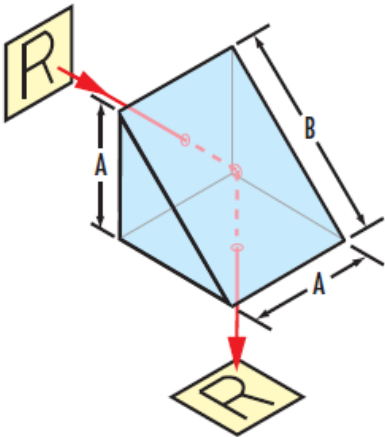
## Product Details

- Ideal for Low Power Laser Sources
- Multiple BBAR Coatings Available
- Ray Deviation of 90°

TECHSPEC® Broadband Anti-Reflection (BBAR) Coated N-BK7 Right Angle Prisms (Leg Coated) are ideal for a range of low power laser line applications. These prisms feature tight angle tolerances and a precision N-BK7 substrate. The BBAR coating improves transmission efficiency when compared to uncoated right angle prisms. TECHSPEC® Broadband Anti-Reflection (BBAR) Coated N-BK7 Right Angle Prisms (Leg Coated) have their BBAR coating on entrance and exit faces. The prisms are available in lengths from 5 to 50mm.

Right angle prisms are generally used to bend image paths or redirect light at 90°. This produces a left-handed image and depending on the orientation of the prism, the image may be inverted or reverted. Right angle prisms can also be used in combination for image/beam displacement.

## Technical Information





Right Angle Prism Ray Path



Right Angle Prism Ray Path



Right Angle Prism Tunnel Diagram



Right Angle Prism Tunnel Diagram

## Custom

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).