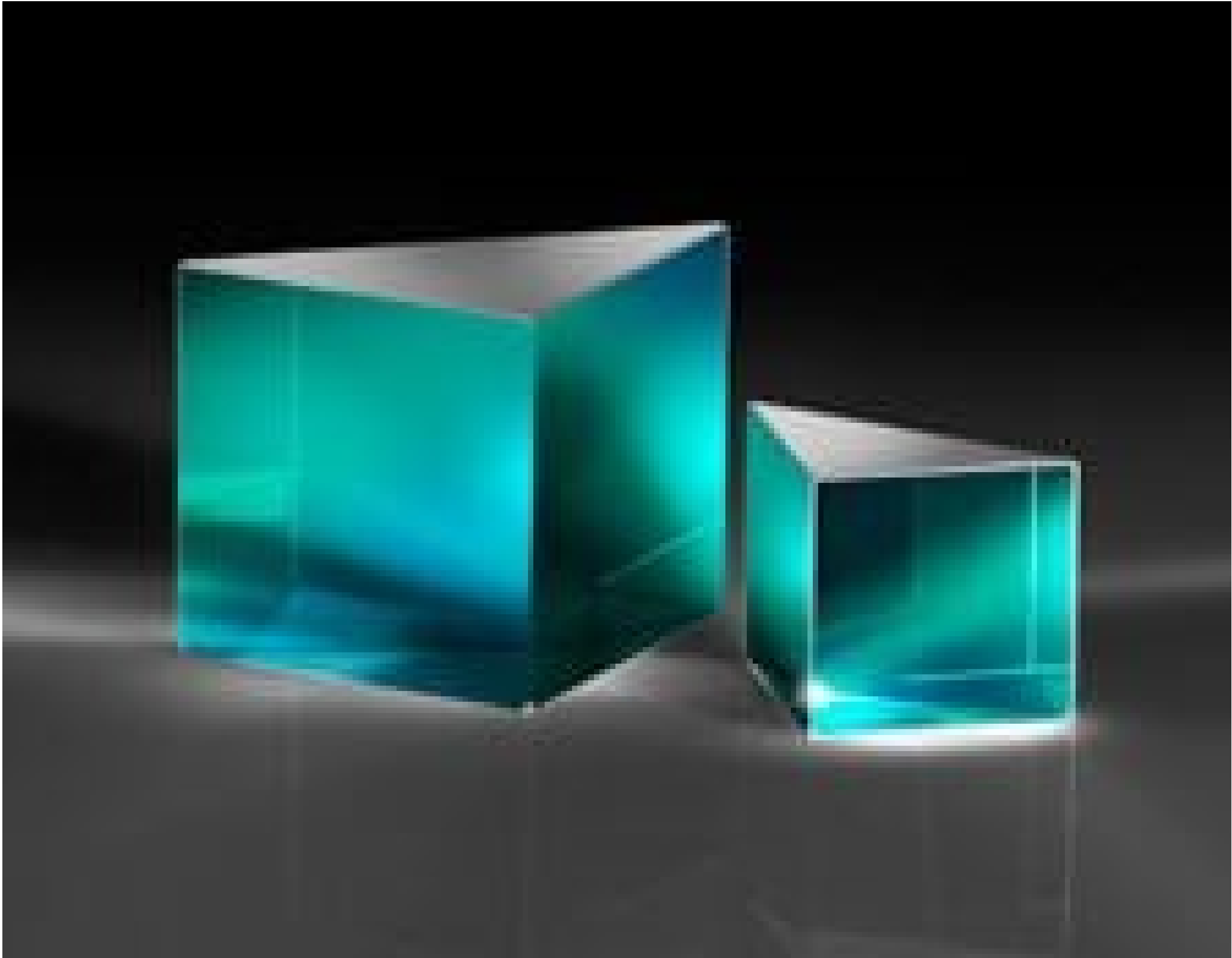


TECHSPEC[®] 5mm VIS-NIR Coated, N-BK7 Right Angle Prism (Leg Coated)



Stock #84-513 5 In Stock

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1

+

₹9,900

ADD TO CART

Volume Pricing	
Qty 1-5	₹9,900 each
Qty 6-25	₹7,965 each
Qty 26-49	₹7,380 each
Need More?	Request Quote

Product Downloads

General	
Right Angle Prism	Type:
Coating on Entrance/Exit Faces	Note:
Physical & Mechanical Properties	
+0.00/-0.10	Dimensional Tolerance (mm):

	Bevel:
Protective as needed	
	Clear Aperture (%):
90	
	Length of Hypotenuse (mm):
7.10	
	Length of Legs (mm):
5.00	

Optical Properties

	Angle Tolerance (arcsec):
±15	
	Coating:
VIS-NIR (400-1000nm)	
	Substrate: ☐
N-BK7	
	Surface Quality:
40-20	
	Image Orientation:
Left-Handed	
	Coating Specification:
Entrance/Exit Faces: R _{abs} ≤0.25% @ 880nm	
R _{avg} ≤1.25% @ 400 - 870nm	
R _{avg} ≤1.25% @ 890 - 1000nm	
	Ray Deviation (°):
90	
	Wavelength Range (nm):
400 - 1000	
	Damage Threshold, By Design: ☐
Entrance/Exit Faces: 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:
Edmund Optics India Private Limited	

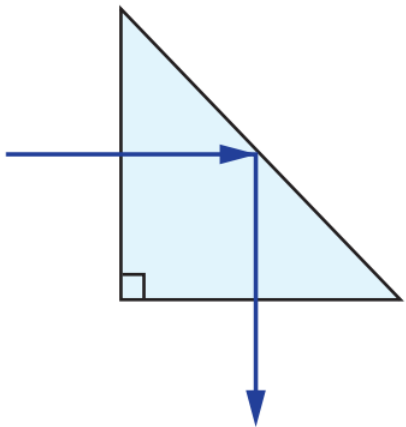
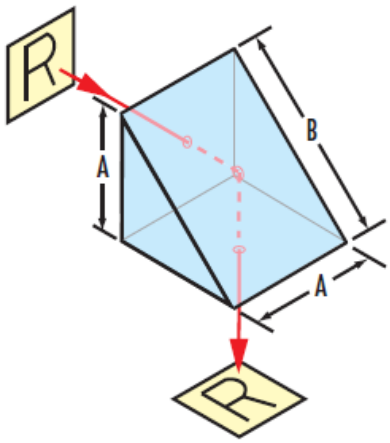
Product Details

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

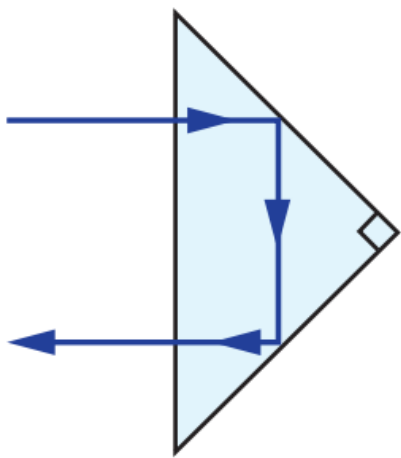
TECHSPEC® Broadband Anti-Reflection (BBAR) Coated N-BK7 Right Angle Prisms (Leg Coated) are ideal for a range of low power laser line applications. These prisms feature tight angle tolerances and a precision N-BK7 substrate. The BBAR coating improves transmission efficiency when compared to uncoated 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.

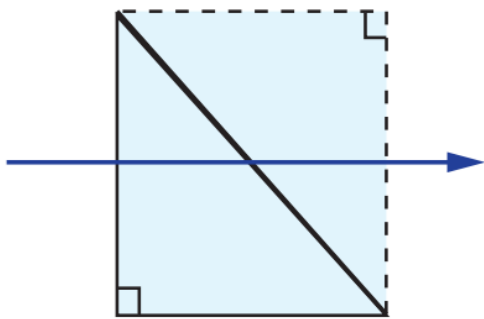
Technical Information



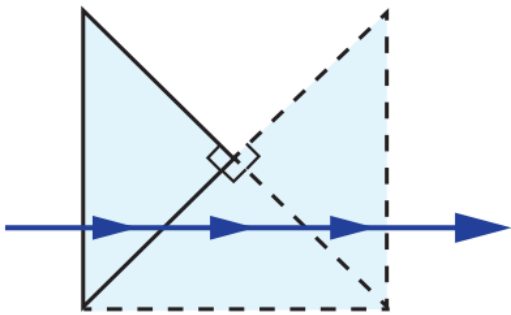
Right Angle Prism Ray Path



Right Angle Prism Ray Path



Right Angle Prism Tunnel Diagram



Right Angle Prism Tunnel Diagram

Coating Curves

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](#).

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