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TECHSPEC® 12.5mm VIS-NIR Coated, Fused Silica Right Angle Prism



Stock #27-375 **5 In Stock**

⊖ 1 ⊕ S\$198⁰⁰

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Volume Pricing	
Qty 1-5	S\$198.80 each
Qty 6-25	S\$159.60 each
Qty 26-49	S\$149.10 each
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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 (%):
17.70	Length of Hypotenuse (mm):
12.50	Length of Legs (mm):
Optical Properties	
±15	Angle Tolerance (arcsec):
VIS-NIR (400-1000nm)	Coating:
Fused Silica (Corning 7980)	Substrate: <input type="checkbox"/>
40-20	Surface Quality:
Left-Handed	Image Orientation:
R _{abs} ≤0.25% @ 880nm R _{avg} ≤1.25% @ 400 - 870nm R _{avg} ≤1.25% @ 890 - 1000nm	Coating Specification:
90	Ray Deviation (°):
400 - 1000	Wavelength Range (nm):
5 J/cm ² @ 532nm, 10ns	Damage Threshold, Reference: <input type="checkbox"/>
1.25	Power (fringes) @ 632.8nm:
0.20	Irregularity (fringes) @ 632.8nm:

Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 235:

Need different specs or modifications?

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](#).

Product Details

- BBAR Coatings from the UV to the NIR
- Ideal for Low Power Laser Sources
- Sizes Ranging from 5 – 25mm

TECHSPEC® Broadband Anti-Reflection (BBAR) Coated Fused Silica Right Angle Prisms bend an image path or redirect light at 90°. Featuring a broadband antireflection (BBAR) coating on both the entrance and exit surfaces, these prisms provide improved transmission efficiency compared to uncoated [UV fused silica right angle prisms](#). Manufactured from UV fused silica, these prisms feature low thermal expansion and excellent transmission through the UV, visible, and NIR spectra. TECHSPEC® Broadband Anti-Reflection (BBAR) Coated Fused Silica Right Angle Prisms are ideal for use in a wide range of scientific and industrial applications including medical devices, semiconductor inspection, and laser-based instrumentation.

Coating Curves