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TECHSPEC®

20mm VIS-NIR Coated, Fused Silica Right Angle Prism



Stock **#27-433** 5 In Stock

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1

+

£122⁴⁰

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Volume Pricing	
Qty 1-5	£122.40 each
Qty 6-25	£97.60 each
Qty 26-49	£91.80 each
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! 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 (%):
28.30	Length of Hypotenuse (mm):

20.00	Length of Legs (mm):
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Optical Properties

±15	Angle Tolerance (arcsec):
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VIS-NIR (400-1000nm)	Coating:
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Fused Silica (Corning 7980)	Substrate: ☐
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40-20	Surface Quality:
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Left-Handed	Image Orientation:
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R _{abs} ≤0.25% @ 880nm R _{avg} ≤1.25% @ 400 - 870nm R _{avg} ≤1.25% @ 890 - 1000nm	Coating Specification:
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90	Ray Deviation (°):
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400 - 1000	Wavelength Range (nm):
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5 J/cm² @ 532nm, 10ns	Damage Threshold, Reference: ☐
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1.25	Power (fringes) @ 632.8nm:
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0.20	Irregularity (fringes) @ 632.8nm:
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Regulatory Compliance

Compliant	RoHS 2015:
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View	Certificate of Conformance:
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Compliant	Reach 235:
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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](#).

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