

TECHSPEC<sup>®</sup> 20mm VIS-NIR Coated, UV Fused Silica Right Angle Prism



Stock #27-433 5 In Stock

-

1

+

A\$244<sup>.80</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | A\$244.80 each                |
| Qty 6-25       | A\$195.20 each                |
| Qty 26-49      | A\$183.60 each                |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

General

Type:

Right Angle Prism

Note:

Coating on Entrance/Exit Faces

Physical & Mechanical Properties

Dimensional Tolerance (mm):

+0.00/-0.10

|                                                                                                                    |                                                       |
|--------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
| Protective as needed                                                                                               | Bevel:                                                |
| 90                                                                                                                 | Clear Aperture (%):                                   |
| 28.30                                                                                                              | Length of Hypotenuse (mm):                            |
| 20.00                                                                                                              | 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 <sub>abs</sub> ≤0.25% @ 880nm<br>R <sub>avg</sub> ≤1.25% @ 400 - 870nm<br>R <sub>avg</sub> ≤1.25% @ 890 - 1000nm | Coating Specification:                                |
| 90                                                                                                                 | Ray Deviation (°):                                    |
| 400 - 1000                                                                                                         | Wavelength Range (nm):                                |
| 5 J/cm² @ 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:                                            |

## 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

## 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](#).