

TECHSPEC<sup>®</sup> 25mm Aluminum & UV-VIS, Fused Silica High Tolerance RA Prism



TECHSPEC High Tolerance UV Fused Silica Right Angle Prisms

Stock **#47-805** 3 In Stock

-

1

+

A\$316<sup>00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | A\$316.80 each                |
| Qty 6-25       | A\$252.80 each                |
| Qty 26-49      | A\$237.60 each                |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

| General                          |                             |
|----------------------------------|-----------------------------|
| Right Angle Prism                | Type:                       |
| Physical & Mechanical Properties |                             |
| +0.0/-0.1                        | Dimensional Tolerance (mm): |
| Protective as needed             | Bevel:                      |

|                                                                                                                                                                                 |                                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| 35.40                                                                                                                                                                           | Length of Hypotenuse (mm):        |
| 25.00                                                                                                                                                                           | Length of Legs (mm):              |
| Optical Properties                                                                                                                                                              |                                   |
| ±40                                                                                                                                                                             | Angle Tolerance (arcsec):         |
| UV-VIS & Aluminized                                                                                                                                                             | Coating:                          |
| Fused Silica (Corning 7980)                                                                                                                                                     | Substrate: □                      |
| 20-10                                                                                                                                                                           | Surface Quality:                  |
| ±1                                                                                                                                                                              | Pyramid Tolerance (arcmin):       |
| Left-Handed                                                                                                                                                                     | Image Orientation:                |
| Coating Specification:<br>Legs: R <sub>abs</sub> ≤1.0% @ 350 - 450nm, R <sub>avg</sub> ≤1.5% @ 250 - 700nm<br>Hypotenuse: R <sub>avg</sub> >85% @ 400 - 700nm w/Black Overpaint |                                   |
| 250 - 700                                                                                                                                                                       | Wavelength Range (nm):            |
| Damage Threshold, By Design: □<br>Hypotenuse: 0.3 J/cm2 @ 532 & 1064nm, 10ns<br>Legs: 3 J/cm2 @ 355nm, 10ns; 5 J/cm2 @ 532nm, 10ns                                              |                                   |
| 1.25                                                                                                                                                                            | Power (fringes) @ 632.8nm:        |
| 0.20                                                                                                                                                                            | Irregularity (fringes) @ 632.8nm: |

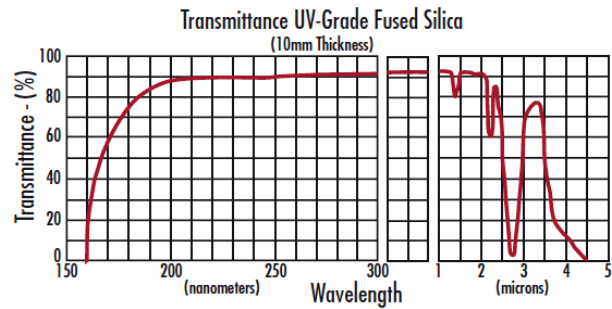
|                       |                             |
|-----------------------|-----------------------------|
| Regulatory Compliance |                             |
| Compliant             | RoHS 2015:                  |
| View                  | Certificate of Conformance: |
| Compliant         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

## Product Details

- Ray Deviation of 90°
- Left Handed Image
- ±40 Arcseconds Angle Tolerance
- Additional [Right Angle Prism](#) Options Available

TECHSPEC® High Tolerance Fused Silica Right Angle Prisms, like most right angle prisms, are 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. TECHSPEC® High Tolerance Fused Silica Right Angle Prisms feature low arcsecond angle tolerance and are made from precision UV fused silica for use in a variety of UV, Visible and NIR applications. The prisms are offered in leg lengths from 5 to 25mm.

## Technical Information



## 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

