

TECHSPEC<sup>®</sup> 12.5mm Protected Silver,  $\lambda/20$  Fused Silica Right Angle Prism Mirror



Stock **#22-553** [CONTACT US](#)

-

1

+

₹16,582

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | ₹16,582 each                  |
| Qty 6-25       | ₹13,312 each                  |
| Qty 26-49      | ₹12,456 each                  |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

| General                          |                         |
|----------------------------------|-------------------------|
| Right Angle Mirror               | Type:                   |
| Physical & Mechanical Properties |                         |
| Protective as needed             | Bevel:                  |
| 15.90 x 11.25                    | Clear Aperture CA (mm): |

|                                                                                |                                |
|--------------------------------------------------------------------------------|--------------------------------|
| +0.00/-0.10                                                                    | Dimensional Tolerance (mm):    |
| 17.70                                                                          | Length of Hypotenuse (mm):     |
| 12.50                                                                          | Length of Legs (mm):           |
| Optical Properties                                                             |                                |
| 0.45 - 10                                                                      | Wavelength Range (µm):         |
| Metal                                                                          | Coating Type:                  |
| Protected Silver (450-10000nm)                                                 | Coating:                       |
| λ/20                                                                           | Surface Flatness (P-V):        |
| 450 - 10000                                                                    | Wavelength Range (nm):         |
| Fused Silica (Corning 7980)                                                    | Substrate: □                   |
| R <sub>avg</sub> >98% @450 - 800nm<br>R <sub>avg</sub> >98.5% @2000 - 10,000nm | Coating Specification:         |
| 20-10                                                                          | Surface Quality:               |
| 0.5 J/cm² @532nm & 1064nm, 10ns                                                | Damage Threshold, Reference: □ |
| ±15                                                                            | Angle Tolerance (arcsec):      |
| Regulatory Compliance                                                          |                                |
| Compliant                                                                      | RoHS 2015:                     |
| View                                                                           | Certificate of Conformance:    |
| Compliant                                                                      | Reach 247:                     |
| United States                                                                  | Country of Origin:             |
| Edmund Optics India Private Limited                                            | Imported By:                   |

## 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

- Precision Fused Silica Substrates for Increased Thermal Stability
- Ideal for System Alignment
- Enhanced Aluminum, Protected Gold, and Protected Silver Coatings Available

TECHSPEC® λ/20 Fused Silica Right Angle Prism Mirrors feature broadband metal coatings and a ±15 arcsecond angular tolerance for applications that require precision alignment. These highly reflective right angle mirrors simplify alignment when mounting and are easily integrated into systems that redirect light at 90°. TECHSPEC® λ/20 Fused Silica Right Angle Prism Mirrors utilize Fused Silica substrates for high temperature environments and their precision design and tolerances enable easy system integration. Coating options feature >95% reflectivity from 450nm to the long wave infrared (IR).

## Technical Information

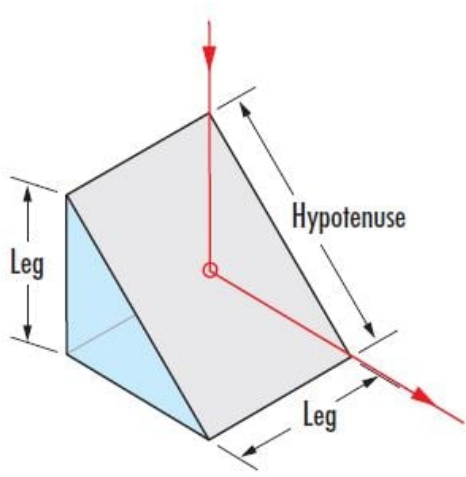
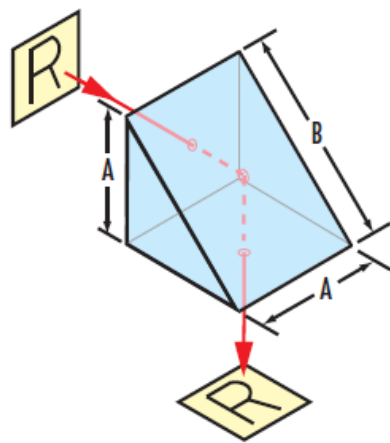


Image above shows light reflecting off the coated hypotenuse.



### Coating Curves