

TECHSPEC<sup>®</sup> 12.5mm Protected Silver Coated, UV Fused Silica Right Angle Mirror



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

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+

C\$326<sup>.20</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | C\$326.20 each                |
| Qty 6-25       | C\$261.80 each                |
| Qty 26-49      | C\$245.00 each                |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

| General                          |                             |
|----------------------------------|-----------------------------|
| Right Angle Mirror               | Type:                       |
| Physical & Mechanical Properties |                             |
| 12.50                            | Length of Legs (mm):        |
| +0.00/-0.10                      | Dimensional Tolerance (mm): |

|                                                                                |                                                       |
|--------------------------------------------------------------------------------|-------------------------------------------------------|
| Protective as needed                                                           | Bevel:                                                |
| 15.90 x 11.25                                                                  | Clear Aperture CA (mm):                               |
| 17.70                                                                          | Length of Hypotenuse (mm):                            |
| Optical Properties                                                             |                                                       |
| $\lambda/20$                                                                   | Surface Flatness (P-V):                               |
| Fused Silica (Corning 7980)                                                    | Substrate: <input type="checkbox"/>                   |
| 20-10                                                                          | Surface Quality:                                      |
| R <sub>avg</sub> >98% @450 - 800nm<br>R <sub>avg</sub> >98.5% @2000 - 10,000nm | Coating Specification:                                |
| Protected Silver (450-10000nm)                                                 | Coating:                                              |
| Metal                                                                          | Coating Type:                                         |
| 0.45 - 10                                                                      | Wavelength Range (μm):                                |
| 450 - 10000                                                                    | Wavelength Range (nm):                                |
| ±15                                                                            | Angle Tolerance (arcsec):                             |
| 0.5 J/cm <sup>2</sup> @532nm & 1064nm, 10ns                                    | Damage Threshold, Reference: <input type="checkbox"/> |
| Regulatory Compliance                                                          |                                                       |
| Compliant                                                                      | RoHS 2015:                                            |
| View                                                                           | Certificate of Conformance:                           |
| Compliant                                                                      | Reach 247:                                            |

## Product Details

- Precision Fused Silica Substrates for Increased Thermal Stability
  - Ideal for System Alignment
  - Enhanced Aluminum, Protected Gold, and Protected Silver Coatings Available
- TECHSPEC®  $\lambda/20$  Fused Silica Right Angle Prism Mirrors feature broadband metal coatings and a  $\pm 15$  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®  $\lambda/20$  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

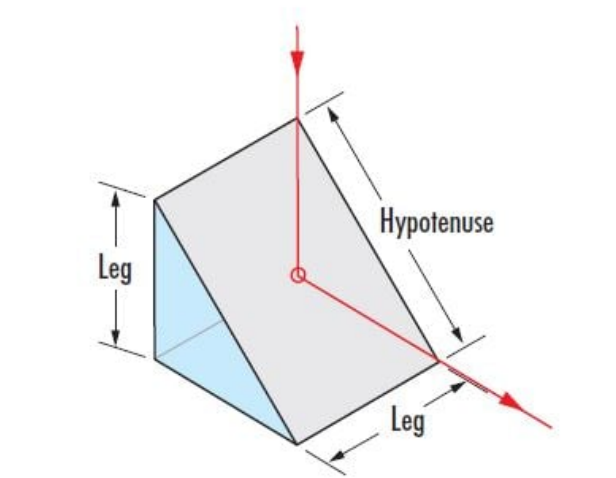
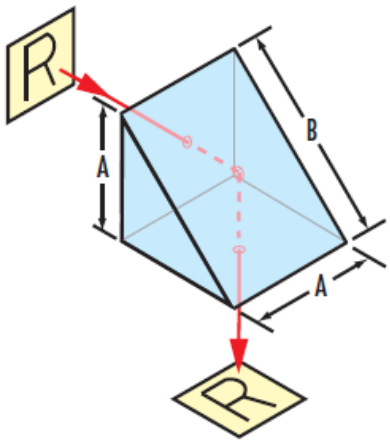


Image above shows light reflecting off the coated hypotenuse.



## Coating Curves

### 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](#).

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