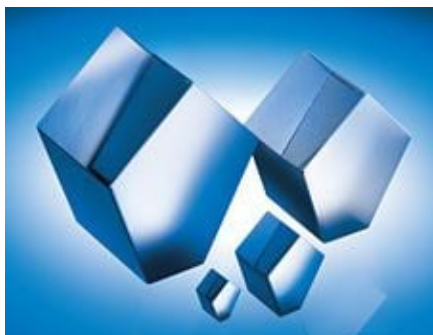


[All Products](#) / [Optics](#) / [Prisms](#) / [Penta Prisms](#)
**TECHSPEC® UV Fused Silica Penta Prisms**


- Ray Deviation of 90°
- Right Handed Image
- Optical Tool for Defining a Right Angle
- Additional [Penta Prism](#) Options Available

## Common Specifications

### Physical & Mechanical Properties

**Dimensional Tolerance (mm):** ±0.10

**Bevel:** Protective as needed

### Optical Properties

**Substrate:** [Fused Silica](#) (Corning 7980)

**Surface Quality:** 20-10

**Angle Tolerance (arcmin):** ±1

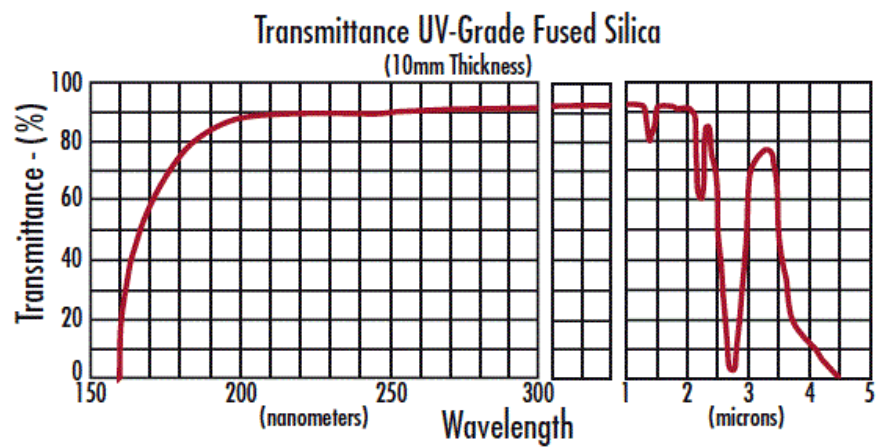
**Image Orientation:** Right-Handed

**Ray Deviation (°):** 90

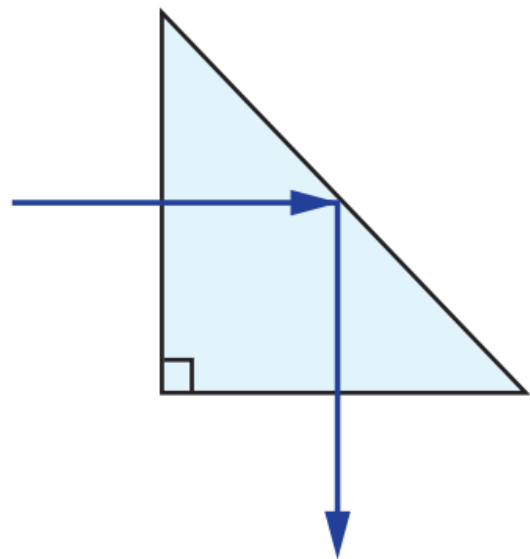
**Power (fringes) @ 632.8nm:** 0.20

**Irregularity (fringes) @ 632.8nm:** 0.20

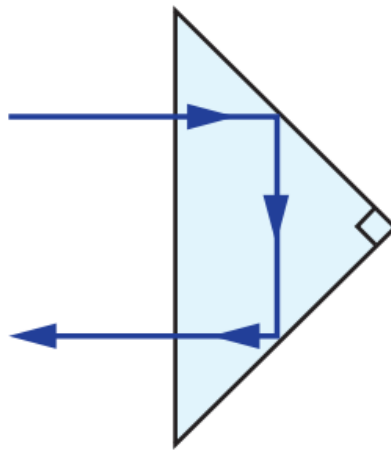
Technical Information



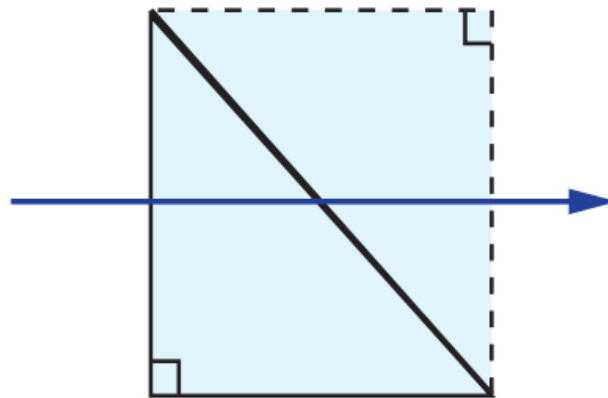
UV FS Transmission Curve



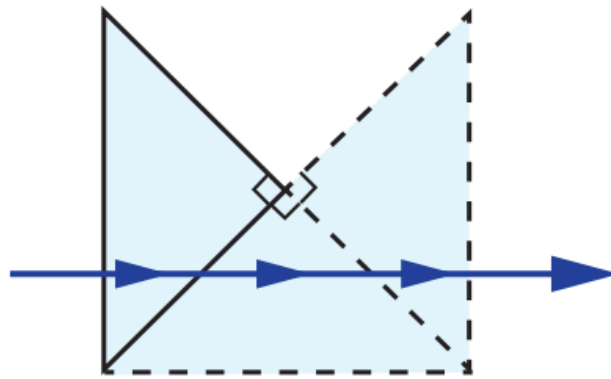
Right Angle Prism Ray Path



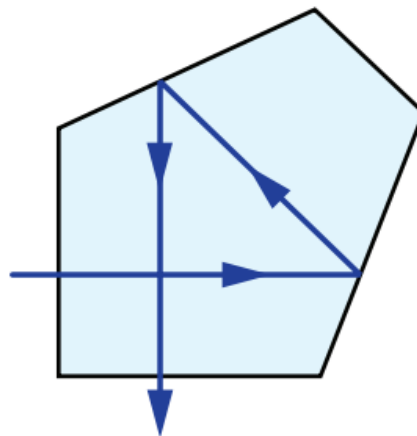
Right Angle Prism Ray Path



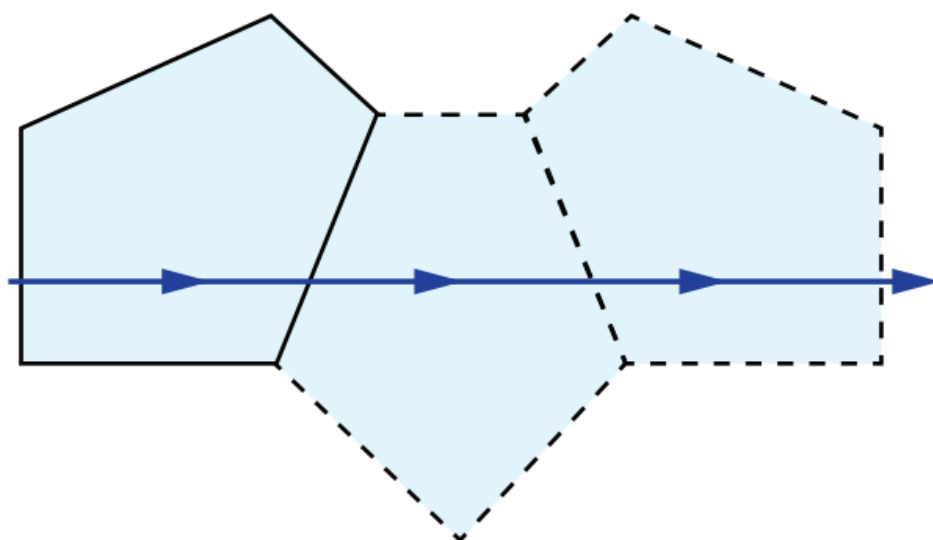
Right Angle Prism Tunnel Diagram



Right Angle Prism Tunnel Diagram



Penta Prism Ray Path



Penta Prism Tunnel Diagram

Products

| Length<br>of Legs<br>(mm)                                                                                                                | Coating            | Ray<br>Deviation<br>(°) | Wavelength<br>Range (nm) | Stock Number | Price     | Buy          |
|------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------------|--------------------------|--------------|-----------|--------------|
| <a href="#">#49-016 Clearance</a>                                                                                                        |                    |                         |                          |              |           |              |
|                                                         |                    |                         |                          |              |           |              |
| Clearance                                                                                                                                |                    |                         |                          |              |           |              |
| Availability is limited, so buy before these products disappear. Sorry, we cannot accept returns. Receive up to 80% off select products. |                    |                         |                          |              |           |              |
| 5.00                                                                                                                                     | Uncoated           | 90                      | 200 - 2200               |              | C\$152.60 | 20+ In Stock |
| <a href="#">#49-020 Clearance</a>                                                                                                        |                    |                         |                          |              |           |              |
|                                                       |                    |                         |                          |              |           |              |
| Clearance                                                                                                                                |                    |                         |                          |              |           |              |
| Availability is limited, so buy before these products disappear. Sorry, we cannot accept returns. Receive up to 80% off select products. |                    |                         |                          |              |           |              |
| 5.00                                                                                                                                     | UV-AR & Aluminized | 90                      | 250 - 425                |              | C\$144.20 | 2 In Stock   |

|       |          |    |            |                         |                                             |              |
|-------|----------|----|------------|-------------------------|---------------------------------------------|--------------|
| 10.00 | Uncoated | 90 | 200 - 2200 | <a href="#">#49-017</a> | C\$246.40<br><a href="#">Volume Pricing</a> | 20+ In Stock |
|-------|----------|----|------------|-------------------------|---------------------------------------------|--------------|

[#49-018 Clearance](#)



Clearance

Availability is limited, so buy before these products disappear. Sorry, we cannot accept returns. Receive up to 80% off select products.

|   |          |    |            |  |           |              |
|---|----------|----|------------|--|-----------|--------------|
| - | Uncoated | 90 | 200 - 2200 |  | C\$183.40 | 20+ In Stock |
|---|----------|----|------------|--|-----------|--------------|

[#49-023 Clearance](#)



Clearance

Availability is limited, so buy before these products disappear. Sorry, we cannot accept returns. Receive up to 80% off select products.

|   |                    |    |           |  |           |              |
|---|--------------------|----|-----------|--|-----------|--------------|
| - | UV-AR & Aluminized | 90 | 250 - 425 |  | C\$144.20 | 20+ In Stock |
|---|--------------------|----|-----------|--|-----------|--------------|



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