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TECHSPEC®

High Tolerance UV Fused Silica Right Angle Prisms



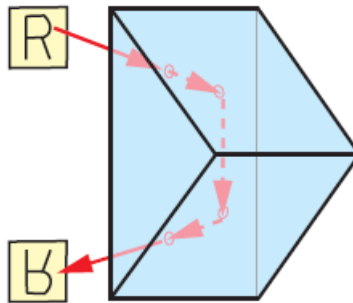
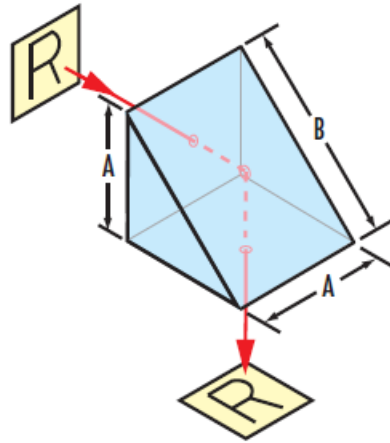
- Ray Deviation of 90°
- Left Handed Image
- ± 40 Arcseconds Angle Tolerance
- Additional [Right Angle Prism](#) Options Available

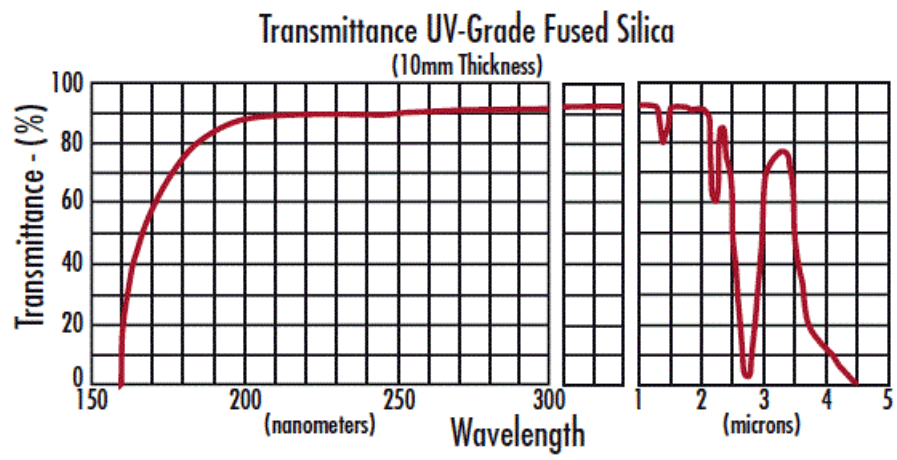
Common Specifications

Physical & Mechanical Properties

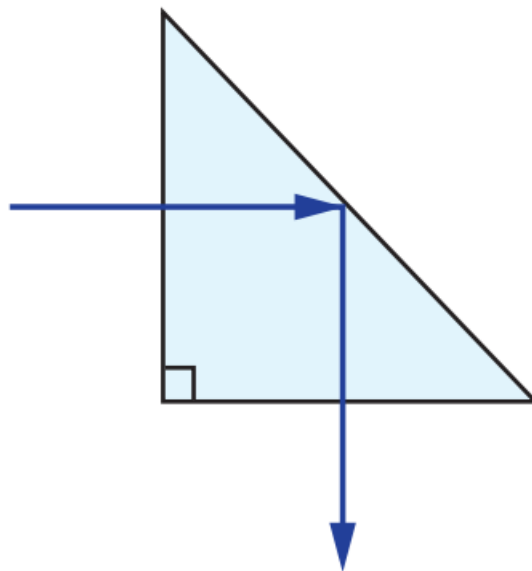
Dimensional Tolerance (mm): +0.0/-0.1	Bevel: Protective as needed
Optical Properties	
Angle Tolerance (arcsec): ± 40	Substrate: Fused Silica (Corning 7980)
Surface Quality: 20-10	Pyramid Tolerance (arcmin): ± 1
Image Orientation: Left-Handed	Power (fringes) @ 632.8nm: 1.25
Irregularity (fringes) @ 632.8nm: 0.20	

Technical Information

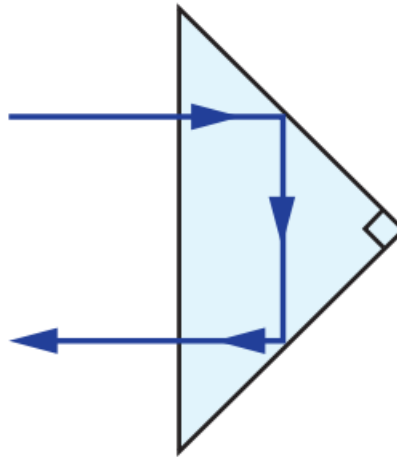




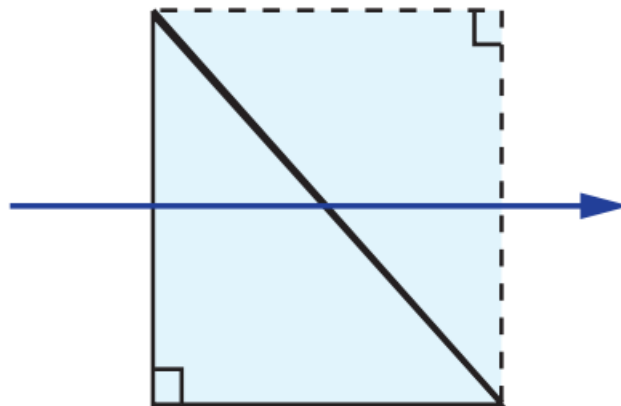
UV FS Transmission Curve



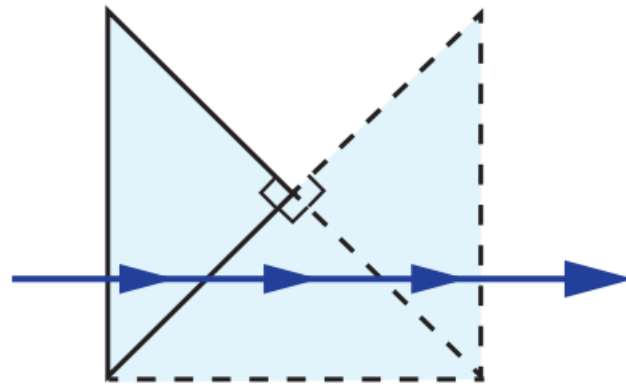
Right Angle Prism Ray Path



Right Angle Prism Ray Path



Right Angle Prism Tunnel Diagram



Right Angle Prism Tunnel Diagram

Products

Length of Legs (mm)	Length of Hypotenuse (mm)	Coating	Stock Number	Price	Buy
5.00	7.10	Uncoated	#47-200	S\$139.64 Volume Pricing	20+ In Stock
5.00	7.10	UV-VIS & Aluminized	#47-800	S\$180.71 Volume Pricing	2 In Stock
10.00	14.10	Uncoated	#47-201	S\$152.34 Volume Pricing	20+ In Stock
10.00	14.10	UV-VIS & Aluminized	#47-801	S\$192.66 Volume Pricing	20+ In Stock
12.50	17.70	Uncoated	#47-202	S\$155.32 Volume Pricing	20+ In Stock
12.50	17.70	UV-VIS & Aluminized	#47-802	S\$195.65 Volume Pricing	20+ In Stock
15.00	21.20	Uncoated	#47-203	S\$164.29 Volume Pricing	20+ In Stock
15.00	21.20	UV-VIS & Aluminized	#47-803	S\$207.60 Volume Pricing	13 In Stock
20.00	28.30	Uncoated	#47-790	S\$171.75 Volume Pricing	20+ In Stock
20.00	28.30	UV-VIS & Aluminized	#47-804	S\$221.04 Volume Pricing	20+ In Stock
25.00	35.40	Uncoated	#47-204	S\$224.03 Volume Pricing	20+ In Stock
25.00	35.40	UV-VIS & Aluminized	#47-805	S\$279.28 Volume Pricing	3 In Stock



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