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TECHSPEC® UV Fused Silica Plano-Concave (PCV) Lenses



- Negative Focal Lengths for Beam Expansion or Light Projection Applications
- Wavelength Range of 200 - 2200nm
- Popular UV-AR Coating Option Available

Common Specifications

General

Note:

Max. Flat Annulus is 0.3mm

Optical Properties

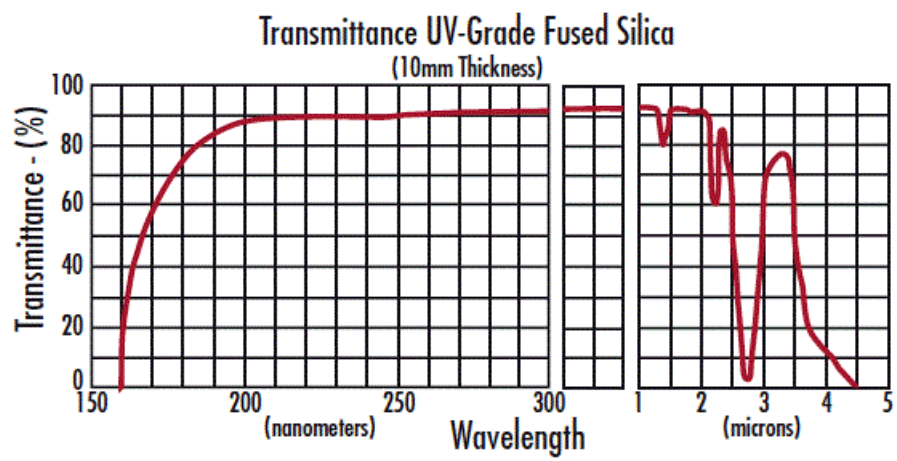
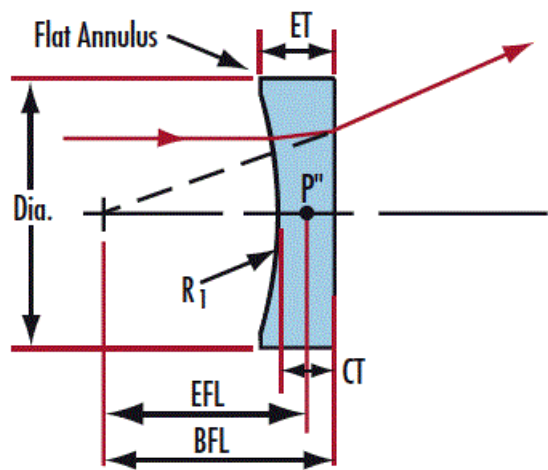
 Substrate: [Fused Silica](#) (Corning 7980)

Surface Quality: 40-20

Power (P-V) @ 632.8nm: 1.5λ

Irregularity (P-V) @ 632.8nm: λ/4

Technical Information



UV FS Transmission Curve

Products

Dia. (mm)	EFL (mm)	BFL (mm)	Coating	Substrate	Stock Number	Price	Buy
6.00	-9.00	-10.38	Uncoated	Fused Silica	#45-697	C\$169.40 Volume Pricing	10 In Stock
6.00	-12.00	-13.38	Uncoated	Fused Silica	#45-698	C\$169.40 Volume Pricing	20+ In Stock
6.00	-18.00	-19.37	Uncoated	Fused Silica	#45-699	C\$169.40 Volume Pricing	20+ In Stock
6.00	-9.00	-10.38	UV-AR (250-425nm)	Fused Silica	#46-308	C\$203.00 Volume Pricing	20+ In Stock
6.00	-9.00	-10.38	UV-VIS (250-700nm)	Fused Silica	#71-091	C\$203.00 Volume Pricing	8 In Stock
6.00	-12.00	-13.38	UV-AR (250-425nm)	Fused Silica	#46-309	C\$203.00 Volume Pricing	20+ In Stock
6.00	-12.00	-13.38	UV-VIS (250-700nm)	Fused Silica	#71-092	C\$203.00 Volume Pricing	3 In Stock
6.00	-18.00	-19.37	UV-AR (250-425nm)	Fused Silica	#46-310	C\$203.00 Volume Pricing	20+ In Stock
6.00	-18.00	-19.37	UV-VIS (250-700nm)	Fused Silica	#71-093	C\$203.00 Volume Pricing	4 In Stock
6.00	-9.00	-10.38	VIS-NIR (400-1000nm)	Fused Silica	#21-043	C\$203.00 Volume Pricing	8 In Stock
6.00	-12.00	-13.38	VIS-NIR (400-1000nm)	Fused Silica	#21-044	C\$203.00 Volume Pricing	2 In Stock
6.00	-18.00	-19.37	VIS-NIR (400-1000nm)	Fused Silica	#21-045	C\$203.00 Volume Pricing	9 In Stock
9.00	-13.00	-14.89	UV-VIS (250-700nm)	Fused Silica	#71-094	C\$210.00 Volume Pricing	5 In Stock

9.00	-18.00	-19.37	UV-VIS (250-700nm)	Fused Silica	#71-095	C\$210.00 Volume Pricing	5 In Stock
9.00	-13.50	-14.89	Uncoated	Fused Silica	#45-700	C\$176.40 Volume Pricing	20+ In Stock
9.00	-18.00	-19.37	Uncoated	Fused Silica	#45-701	C\$176.40 Volume Pricing	20+ In Stock
9.00	-27.00	-28.42	Uncoated	Fused Silica	#45-702	C\$176.40 Volume Pricing	20+ In Stock
9.00	-13.50	-14.89	UV-AR (250-425nm)	Fused Silica	#46-311	C\$210.00 Volume Pricing	12 In Stock
9.00	-18.00	-19.37	UV-AR (250-425nm)	Fused Silica	#46-312	C\$210.00 Volume Pricing	20+ In Stock
9.00	-27.00	-28.42	UV-VIS (250-700nm)	Fused Silica	#71-096	C\$210.00 Volume Pricing	5 In Stock
9.00	-27.00	-28.42	UV-AR (250-425nm)	Fused Silica	#46-313	C\$210.00 Volume Pricing	8 In Stock
9.00	-13.50	-14.89	VIS-NIR (400-1000nm)	Fused Silica	#21-046	C\$210.00 Volume Pricing	5 In Stock
9.00	-18.00	-19.37	VIS-NIR (400-1000nm)	Fused Silica	#21-047	C\$210.00 Volume Pricing	1 In Stock
9.00	-27.00	-28.42	VIS-NIR (400-1000nm)	Fused Silica	#21-048	C\$210.00 Volume Pricing	8 In Stock
12.00	-25.00	-26.37	Uncoated	Fused Silica	#48-046	C\$184.80 Volume Pricing	8 In Stock
12.00	-30.00	-31.37	Uncoated	Fused Silica	#48-047	C\$184.80 Volume Pricing	20+ In Stock
12.00	-40.00	-41.37	Uncoated	Fused Silica	#48-048	C\$184.80 Volume Pricing	20+ In Stock
12.00	-50.00	-51.37	Uncoated	Fused Silica	#48-049	C\$184.80 Volume Pricing	20+ In Stock
12.00	-	-	Uncoated	Fused Silica	#85-879	C\$184.80 Volume Pricing	20+ In Stock

12.00	-25.00	-26.37	UV-AR (250-425nm)	Fused Silica	#48-050	C\$219.80 Volume Pricing	5 In Stock
12.00	-25.00	-26.37	UV-VIS (250-700nm)	Fused Silica	#71-097	C\$219.80 Volume Pricing	1 In Stock
12.00	-30.00	-31.37	UV-AR (250-425nm)	Fused Silica	#48-051	C\$219.80 Volume Pricing	8 In Stock
12.00	-30.00	-31.37	UV-VIS (250-700nm)	Fused Silica	#71-098	C\$219.80 Volume Pricing	4 In Stock
12.00	-40.00	-41.37	UV-AR (250-425nm)	Fused Silica	#48-052	C\$219.80 Volume Pricing	4 In Stock
12.00	-40.00	-41.37	UV-VIS (250-700nm)	Fused Silica	#71-099	C\$219.80 Volume Pricing	2 In Stock
12.00	-50.00	-51.37	UV-AR (250-425nm)	Fused Silica	#48-053	C\$219.80 Volume Pricing	2 In Stock
12.00	-50.00	-51.37	UV-VIS (250-700nm)	Fused Silica	#71-100	C\$219.80 Volume Pricing	8 In Stock
12.00	-	-	UV-AR (250-425nm)	Fused Silica	#88-037	C\$219.80 Volume Pricing	20+ In Stock
12.00	-	-	UV-VIS (250-700nm)	Fused Silica	#71-101	C\$219.80 Volume Pricing	Contact Us
12.00	-25.00	-26.37	VIS-NIR (400-1000nm)	Fused Silica	#21-049	C\$219.80 Volume Pricing	8 In Stock
12.00	-30.00	-31.37	VIS-NIR (400-1000nm)	Fused Silica	#21-050	C\$219.80 Volume Pricing	1 In Stock
12.00	-40.00	-41.37	VIS-NIR (400-1000nm)	Fused Silica	#21-051	C\$219.80 Volume Pricing	17 In Stock
12.00	-50.00	-51.37	VIS-NIR (400-1000nm)	Fused Silica	#21-052	C\$219.80 Volume Pricing	3 In Stock

12.00	- 100.00	- 101.37	VIS-NIR (400- 1000nm)	Fused Silica	#21-053	C\$219.80 Volume Pricing	4 In Stock
25.00	-50.00	-51.37	Uncoated	Fused Silica	#48-315	C\$196.00 Volume Pricing	20+ In Stock
25.00	-75.00	-76.71	Uncoated	Fused Silica	#48-316	C\$196.00 Volume Pricing	20+ In Stock
25.00	- 100.00	- 101.71	Uncoated	Fused Silica	#48-317	C\$196.00 Volume Pricing	6 In Stock
25.00	- 150.00	- 151.71	Uncoated	Fused Silica	#48-318	C\$196.00 Volume Pricing	20+ In Stock
25.00	- 200.00	- 201.71	Uncoated	Fused Silica	#48-319	C\$196.00 Volume Pricing	3 In Stock
25.00	- 250.00	- 251.71	Uncoated	Fused Silica	#48-320	C\$196.00 Volume Pricing	20+ In Stock
25.00	-50.00	-51.37	UV-AR (250- 425nm)	Fused Silica	#48-321	C\$229.60 Volume Pricing	15 In Stock
25.00	-50.00	-51.37	UV-VIS (250- 700nm)	Fused Silica	#71-102	C\$229.60 Volume Pricing	4 In Stock
25.00	-75.00	-76.71	UV-AR (250- 425nm)	Fused Silica	#48-322	C\$229.60 Volume Pricing	6 In Stock
25.00	-75.00	-76.71	UV-VIS (250- 700nm)	Fused Silica	#71-103	C\$229.60 Volume Pricing	2 In Stock
25.00	- 100.00	- 101.71	UV-AR (250- 425nm)	Fused Silica	#48-323	C\$229.60 Volume Pricing	Contact Us
25.00	- 100.00	- 101.71	UV-VIS (250- 700nm)	Fused Silica	#71-104	C\$229.60 Volume Pricing	Contact Us
25.00	- 150.00	- 151.71	UV-AR (250- 425nm)	Fused Silica	#48-324	C\$229.60 Volume Pricing	8 In Stock
25.00	- 150.00	- 151.71	UV-VIS (250- 700nm)	Fused Silica	#71-105	C\$229.60 Volume Pricing	3 In Stock

25.00	-	-	UV-AR (250-425nm)	Fused Silica	#48-325	C\$229.60 Volume Pricing	5 In Stock
25.00	-	-	UV-VIS (250-700nm)	Fused Silica	#71-106	C\$229.60 Volume Pricing	6 In Stock
25.00	-	-	UV-AR (250-425nm)	Fused Silica	#48-326	C\$229.60 Volume Pricing	5 In Stock
25.00	-	-	UV-VIS (250-700nm)	Fused Silica	#71-107	C\$229.60 Volume Pricing	4 In Stock
25.00	-50.00	-51.37	VIS-NIR (400-1000nm)	Fused Silica	#21-054	C\$229.60 Volume Pricing	5 In Stock
25.00	-75.00	-76.71	VIS-NIR (400-1000nm)	Fused Silica	#21-055	C\$229.60 Volume Pricing	2 In Stock
25.00	-	-	VIS-NIR (400-1000nm)	Fused Silica	#21-056	C\$229.60 Volume Pricing	4 In Stock
25.00	-	-	VIS-NIR (400-1000nm)	Fused Silica	#21-057	C\$229.60 Volume Pricing	13 In Stock
25.00	-	-	VIS-NIR (400-1000nm)	Fused Silica	#21-058	C\$229.60 Volume Pricing	5 In Stock
25.00	-	-	VIS-NIR (400-1000nm)	Fused Silica	#21-059	C\$229.60 Volume Pricing	8 In Stock



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