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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

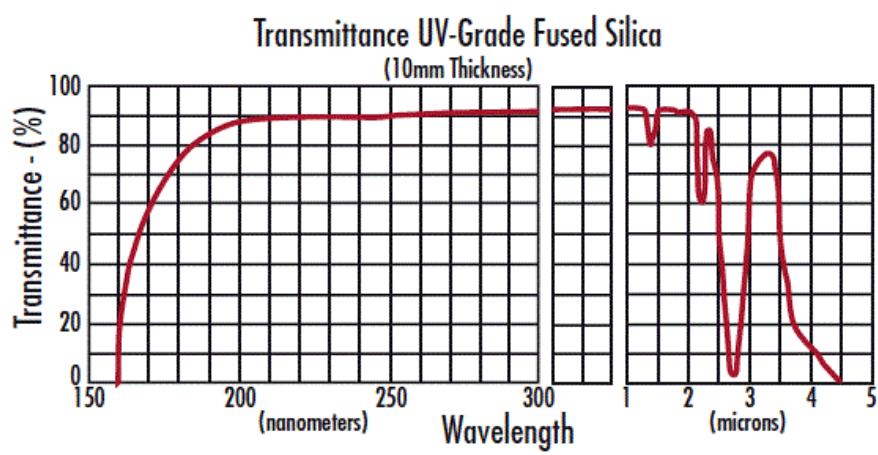
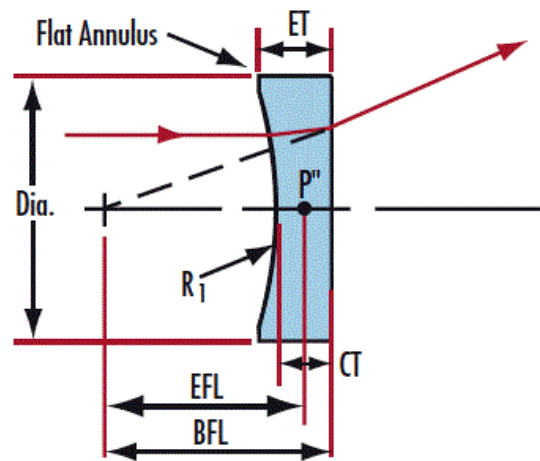
Power (P-V) @ 632.8nm:

1.5λ

Irregularity (P-V) @ 632.8nm:

 $\lambda/4$

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	€112,00 Qty 6+ €90,00	3-4 days
6.00	-12.00	-13.38	Uncoated	Fused Silica	#45-698	€112,00 Qty 6+ €90,00	3-4 days
6.00	-18.00	-19.37	Uncoated	Fused Silica	#45-699	€112,00 Qty 6+ €90,00	3-4 days
6.00	-9.00	-10.38	UV-AR (250-425nm)	Fused Silica	#46-308	€135,00 Qty 6+ €108,00	In Stock
#71-091 New							
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6.00	-9.00	-10.38	UV-VIS (250-700nm)	Fused Silica		€135,00 Qty 6+ €108,00	3-4 days
6.00	-12.00	-13.38	UV-AR (250-425nm)	Fused Silica	#46-309	€135,00 Qty 6+ €108,00	3-4 days

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UV-VIS
(250-
700nm)

[Fused
Silica](#)

€135,00
Qty 6+ €108,00

3-4 days

6.00 -18.00 -19.37

UV-AR
(250-
425nm)

[Fused
Silica](#)

[#46-310](#)

€135,00
Qty 6+ €108,00

In Stock

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UV-VIS
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700nm)

[Fused
Silica](#)

€135,00
Qty 6+ €108,00

3-4 days

6.00 -9.00 -10.38

VIS-NIR
(400-
1000nm)

[Fused
Silica](#)

[#21-043](#)

€135,00
Qty 6+ €108,00

In Stock

6.00 -12.00 -13.38

VIS-NIR
(400-
1000nm)

[Fused
Silica](#)

[#21-044](#)

€135,00
Qty 6+ €108,00

In Stock

6.00	-18.00	-19.37	VIS-NIR (400-1000nm)	Fused Silica	#21-045	€135,00 Qty 6+ €108,00	3-4 days
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×							
New							
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9.00	-13.00	-14.89	UV-VIS (250-700nm)	Fused Silica		€140,00 Qty 6+ €112,00	3-4 days
#71-095 New							
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New							
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9.00	-18.00	-19.37	UV-VIS (250-700nm)	Fused Silica		€140,00 Qty 6+ €112,00	3-4 days
9.00	-13.50	-14.89	Uncoated	Fused Silica	#45-700	€117,00 Qty 6+ €94,00	3-4 days
9.00	-18.00	-19.37	Uncoated	Fused Silica	#45-701	€117,00 Qty 6+ €94,00	3-4 days

9.00	-27.00	-28.42	Uncoated	Fused Silica	#45-702	€117,00 Qty 6+ €94,00	3-4 days
9.00	-13.50	-14.89	UV-AR (250-425nm)	Fused Silica	#46-311	€140,00 Qty 6+ €112,00	3-4 days
9.00	-18.00	-19.37	UV-AR (250-425nm)	Fused Silica	#46-312	€140,00 Qty 6+ €112,00	3-4 days
#71-096 New							
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9.00	-27.00	-28.42	UV-VIS (250-700nm)	Fused Silica		€140,00 Qty 6+ €112,00	3-4 days
9.00	-27.00	-28.42	UV-AR (250-425nm)	Fused Silica	#46-313	€140,00 Qty 6+ €112,00	3-4 days
9.00	-13.50	-14.89	VIS-NIR (400-1000nm)	Fused Silica	#21-046	€140,00 Qty 6+ €112,00	3-4 days
9.00	-18.00	-19.37	VIS-NIR (400-1000nm)	Fused Silica	#21-047	€140,00 Qty 6+ €112,00	3-4 days
9.00	-27.00	-28.42	VIS-NIR (400-1000nm)	Fused Silica	#21-048	€140,00 Qty 6+ €112,00	3-4 days
12.00	-25.00	-26.37	Uncoated	Fused Silica	#48-046	€123,00 Qty 6+ €98,00	3-4 days
12.00	-30.00	-31.37	Uncoated	Fused Silica	#48-047	€123,00 Qty 6+ €98,00	3-4 days

12.00	-40.00	-41.37	Uncoated	Fused Silica	#48-048	€123,00 Qty 6+ €98,00	3-4 days
12.00	-50.00	-51.37	Uncoated	Fused Silica	#48-049	€123,00 Qty 6+ €98,00	3-4 days
12.00	-	-	Uncoated	Fused Silica	#85-879	€123,00 Qty 6+ €98,00	3-4 days
12.00	-25.00	-26.37	UV-AR (250-425nm)	Fused Silica	#48-050	€146,00 Qty 6+ €117,00	3-4 days
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12.00	-25.00	-26.37	UV-VIS (250-700nm)	Fused Silica		€146,00 Qty 6+ €117,00	3-4 days
12.00	-30.00	-31.37	UV-AR (250-425nm)	Fused Silica	#48-051	€146,00 Qty 6+ €117,00	3-4 days

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12.00	-30.00	-31.37	UV-VIS (250-700nm)	Fused Silica		€146,00 Qty 6+ €117,00	3-4 days
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12.00	-40.00	-41.37	UV-AR (250-425nm)	Fused Silica	#48-052	€146,00 Qty 6+ €117,00	Contact Us
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12.00	-50.00	-51.37	UV-AR (250-425nm)	Fused Silica	#48-053	€146,00 Qty 6+ €117,00	Contact Us
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UV-VIS
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700nm)

[Fused
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€146,00
Qty 6+ €117,00

3-4 days

12.00 -
100.00 -
101.37

UV-AR
(250-
425nm)

[Fused
Silica](#)

[#88-037](#)

€146,00
Qty 6+ €117,00

3-4 days

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12.00 -
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101.37

UV-VIS
(250-
700nm)

[Fused
Silica](#)

€146,00
Qty 6+ €117,00

3-4 days

12.00 -25.00 -26.37

VIS-NIR
(400-
1000nm)

[Fused
Silica](#)

[#21-049](#)

€146,00
Qty 6+ €117,00

3-4 days

12.00 -30.00 -31.37

VIS-NIR
(400-
1000nm)

[Fused
Silica](#)

[#21-050](#)

€146,00
Qty 6+ €117,00

3-4 days

12.00	-40.00	-41.37	VIS-NIR (400-1000nm)	Fused Silica	#21-051	€146,00 Qty 6+ €117,00	3-4 days
12.00	-50.00	-51.37	VIS-NIR (400-1000nm)	Fused Silica	#21-052	€146,00 Qty 6+ €117,00	3-4 days
12.00	-	-	VIS-NIR (400-1000nm)	Fused Silica	#21-053	€146,00 Qty 6+ €117,00	3-4 days
25.00	-50.00	-51.37	Uncoated	Fused Silica	#48-315	€130,00 Qty 6+ €104,00	In Stock
25.00	-75.00	-76.71	Uncoated	Fused Silica	#48-316	€130,00 Qty 6+ €104,00	3-4 days
25.00	-	-	Uncoated	Fused Silica	#48-317	€130,00 Qty 6+ €104,00	3-4 days
25.00	-	-	Uncoated	Fused Silica	#48-318	€130,00 Qty 6+ €104,00	In Stock
25.00	-	-	Uncoated	Fused Silica	#48-319	€130,00 Qty 6+ €104,00	3-4 days
25.00	-	-	Uncoated	Fused Silica	#48-320	€130,00 Qty 6+ €104,00	3-4 days
25.00	-50.00	-51.37	UV-AR (250-425nm)	Fused Silica	#48-321	€152,00 Qty 6+ €122,00	3-4 days

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25.00	-50.00	-51.37	UV-VIS (250-700nm)	Fused Silica		€152,00 Qty 6+ €122,00	3-4 days
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25.00	-75.00	-76.71	UV-AR (250-425nm)	Fused Silica	#48-322	€152,00 Qty 6+ €122,00	3-4 days
#71-103 New							
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New							
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25.00	-75.00	-76.71	UV-VIS (250-700nm)	Fused Silica		€152,00 Qty 6+ €122,00	3-4 days
25.00	-	-	UV-AR (250-425nm)	Fused Silica	#48-323	€152,00 Qty 6+ €122,00	3-4 days
#71-104 New							
×							
New							
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25.00	-	-	UV-VIS (250-700nm)	Fused Silica		€152,00 Qty 6+ €122,00	3-4 days
25.00	-	-	UV-AR (250-425nm)	Fused Silica	#48-324	€152,00 Qty 6+ €122,00	In Stock

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25.00 - -
150.00 151.71

UV-VIS
(250-700nm)

[Fused Silica](#)

€152,00
Qty 6+ €122,00

3-4 days

25.00 - -
200.00 201.71

UV-AR
(250-425nm)

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[#48-325](#)

€152,00
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UV-VIS
(250-700nm)

[Fused Silica](#)

€152,00
Qty 6+ €122,00

3-4 days

25.00 - -
250.00 251.71

UV-AR
(250-425nm)

[Fused Silica](#)

[#48-326](#)

€152,00
Qty 6+ €122,00

3-4 days

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700nm)

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€152,00
Qty 6+ €122,00

3-4 days

25.00 -50.00 -51.37

VIS-NIR
(400-
1000nm)

[Fused
Silica](#)

[#21-054](#)

€153,00
Qty 6+ €122,00

3-4 days

25.00 -75.00 -76.71

VIS-NIR
(400-
1000nm)

[Fused
Silica](#)

[#21-055](#)

€153,00
Qty 6+ €122,00

3-4 days

25.00 - -
100.00 101.71

VIS-NIR
(400-
1000nm)

[Fused
Silica](#)

[#21-056](#)

€153,00
Qty 6+ €122,00

In Stock

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150.00 151.71

VIS-NIR
(400-
1000nm)

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€153,00
Qty 6+ €122,00

3-4 days

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200.00 201.71

VIS-NIR
(400-
1000nm)

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€153,00
Qty 6+ €122,00

3-4 days

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250.00 251.71

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1000nm)

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