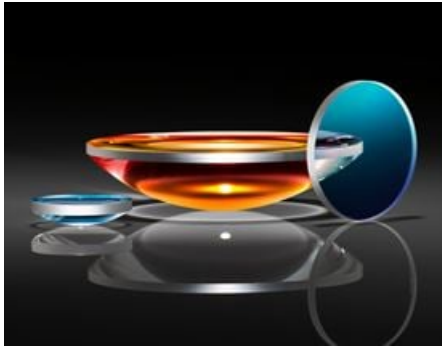


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TECHSPEC®

UV Fused Silica Plano-Convex (PCX) Lenses - NIR II Coated



- AR Coated to Provide <0.7% Reflection per Surface for 750 - 1550nm
- Precision Fused Silica Substrate
- Various Coating Options: [Uncoated](#), [MgF₂](#), [UV-AR](#), [UV-VIS](#), [VIS-EXT](#), [VIS-NIR](#), [VIS 0°](#), [YAG-BBAR](#), and [NIR I](#)

Common Specifications

Physical & Mechanical Properties

Bevel:

Protective bevel as needed

Optical Properties

Coating:

NIR II (750-1550nm)

Coating Specification:
 $R_{abs} \leq 1.5\% @ 750 - 800nm$
 $R_{abs} \leq 1.0\% @ 800 - 1550nm$
 $R_{avg} \leq 0.7\% @ 750 - 1550nm$
Substrate:
[Fused Silica](#) (Corning 7980)

Surface Quality:

40-20

Power (P-V) @ 632.8nm:

3 Rings

Irregularity (P-V) @ 632.8nm:

0.5 Rings

Focal Length Tolerance (%):
 ± 1
Wavelength Range (nm):

750 - 1550

Damage Threshold, By Design:

 8 J/cm² @ 1064nm, 10ns

Technical Information

Products

Dia. (mm)	EFL (mm)	BFL (mm)	Coating	Substrate	Stock Number	Price	Buy
5.00	10.00	8.63	NIR II (750-1550nm)	Fused Silica	#18-256	€136,00 Qty 6+ €109,00	3-4 days
5.00	15.00	13.83	NIR II (750-1550nm)	Fused Silica	#18-261	€128,00 Qty 6+ €102,00	3-4 days
5.00	25.00	23.97	NIR II (750-1550nm)	Fused Silica	#18-271	€128,00 Qty 6+ €102,00	3-4 days
6.00	9.00	7.29	NIR II (750-1550nm)	Fused Silica	#18-011	€138,00 Qty 6+ €110,00	3-4 days
6.00	12.00	10.63	NIR II (750-1550nm)	Fused Silica	#18-016	€138,00 Qty 6+ €110,00	3-4 days
6.00	18.00	16.62	NIR II (750-1550nm)	Fused Silica	#18-021	€133,00 Qty 6+ €106,00	3-4 days
6.00	15.00	13.63	NIR II (750-1550nm)	Fused Silica	#18-116	€133,00 Qty 6+ €106,00	3-4 days
9.00	22.00	19.94	NIR II (750-1550nm)	Fused Silica	#17-961	€136,00 Qty 6+ €109,00	In Stock
9.00	13.50	11.44	NIR II (750-1550nm)	Fused Silica	#18-026	€141,00 Qty 6+ €113,00	Contact Us
9.00	18.00	15.94	NIR II (750-1550nm)	Fused Silica	#18-031	€141,00 Qty 6+ €113,00	3-4 days
9.00	27.00	25.63	NIR II (750-1550nm)	Fused Silica	#18-036	€136,00 Qty 6+ €109,00	3-4 days
9.00	12.00	9.26	NIR II (750-1550nm)	Fused Silica	#18-126	€141,00 Qty 6+ €113,00	3-4 days
10.00	20.00	17.94	NIR II (750-1550nm)	Fused Silica	#17-966	€143,00 Qty 6+ €114,00	3-4 days
12.00	72.00	70.29	NIR II (750-1550nm)	Fused Silica	#17-976	€133,00 Qty 6+ €106,00	3-4 days
12.00	25.00	22.31	NIR II (750-1550nm)	Fused Silica	#18-041	€146,00 Qty 6+ €117,00	3-4 days
12.00	30.00	27.56	NIR II (750-1550nm)	Fused Silica	#18-046	€141,00 Qty 6+ €113,00	3-4 days

12.00	40.00	37.85	NIR II (750-1550nm)	Fused Silica	#18-051	€141,00 Qty 6+ €113,00	3-4 days
12.00	50.00	48.01	NIR II (750-1550nm)	Fused Silica	#18-056	€133,00 Qty 6+ €106,00	3-4 days
12.00	100.00	98.33	NIR II (750-1550nm)	Fused Silica	#18-061	€133,00 Qty 6+ €106,00	3-4 days
12.00	18.00	15.26	NIR II (750-1550nm)	Fused Silica	#18-136	€146,00 Qty 6+ €117,00	3-4 days
12.00	36.00	34.29	NIR II (750-1550nm)	Fused Silica	#18-141	€141,00 Qty 6+ €113,00	3-4 days
15.00	30.00	27.53	NIR II (750-1550nm)	Fused Silica	#18-211	€153,00 Qty 6+ €122,00	3-4 days
15.00	45.00	42.94	NIR II (750-1550nm)	Fused Silica	#18-216	€148,00 Qty 6+ €118,00	3-4 days
15.00	60.00	57.94	NIR II (750-1550nm)	Fused Silica	#18-221	€148,00 Qty 6+ €118,00	3-4 days
18.00	27.00	23.23	NIR II (750-1550nm)	Fused Silica	#17-986	€153,00 Qty 6+ €122,00	3-4 days
20.00	30.00	25.88	NIR II (750-1550nm)	Fused Silica	#18-151	€158,00 Qty 6+ €126,00	3-4 days
20.00	40.00	36.92	NIR II (750-1550nm)	Fused Silica	#18-161	€158,00 Qty 6+ €126,00	3-4 days
20.00	50.00	47.25	NIR II (750-1550nm)	Fused Silica	#18-166	€153,00 Qty 6+ €122,00	3-4 days
20.00	60.00	57.60	NIR II (750-1550nm)	Fused Silica	#18-171	€153,00 Qty 6+ €122,00	3-4 days
20.00	80.00	77.95	NIR II (750-1550nm)	Fused Silica	#18-176	€153,00 Qty 6+ €122,00	3-4 days
25.00	40.00	34.86	NIR II (750-1550nm)	Fused Silica	#18-006	€161,00 Qty 6+ €129,00	3-4 days
25.00	38.00	33.03	NIR II (750-1550nm)	Fused Silica	#18-066	€161,00 Qty 6+ €129,00	3-4 days
25.00	50.00	46.00	NIR II (750-1550nm)	Fused Silica	#18-071	€161,00 Qty 6+ €129,00	3-4 days
25.00	75.00	71.96	NIR II (750-1550nm)	Fused Silica	#18-076	€156,00 Qty 6+ €125,00	In Stock
25.00	100.00	97.40	NIR II (750-1550nm)	Fused Silica	#18-081	€156,00 Qty 6+ €125,00	3-4 days

25.00	125.00	122.65	NIR II (750-1550nm)	Fused Silica	#18-086	€148,00 Qty 6+ €118,00	In Stock
25.00	150.00	147.82	NIR II (750-1550nm)	Fused Silica	#18-091	€148,00 Qty 6+ €118,00	3-4 days
25.00	175.00	172.94	NIR II (750-1550nm)	Fused Silica	#18-096	€148,00 Qty 6+ €118,00	3-4 days
25.00	200.00	198.02	NIR II (750-1550nm)	Fused Silica	#18-101	€148,00 Qty 6+ €118,00	3-4 days
25.00	250.00	248.14	NIR II (750-1550nm)	Fused Silica	#18-106	€148,00 Qty 6+ €118,00	3-4 days
25.00	400.00	398.33	NIR II (750-1550nm)	Fused Silica	#18-111	€148,00 Qty 6+ €118,00	3-4 days
25.00	60.00	56.92	NIR II (750-1550nm)	Fused Silica	#18-146	€156,00 Qty 6+ €125,00	Contact Us
30.00	50.00	45.2	NIR II (750-1550nm)	Fused Silica	#18-231	€194,00 Qty 6+ €155,00	3-4 days
30.00	90.00	86.57	NIR II (750-1550nm)	Fused Silica	#18-241	€189,00 Qty 6+ €151,00	3-4 days
30.00	120.00	116.57	NIR II (750-1550nm)	Fused Silica	#18-246	€189,00 Qty 6+ €151,00	3-4 days
30.00	150.00	146.57	NIR II (750-1550nm)	Fused Silica	#18-251	€184,00 Qty 6+ €147,00	3-4 days
50.00	75.00	66.43	NIR II (750-1550nm)	Fused Silica	#18-181	€304,00 Qty 6+ €243,00	3-4 days
50.00	100.00	93.84	NIR II (750-1550nm)	Fused Silica	#18-186	€304,00 Qty 6+ €243,00	3-4 days
50.00	150.00	145.20	NIR II (750-1550nm)	Fused Silica	#18-191	€299,00 Qty 6+ €239,00	3-4 days
50.00	200.00	195.19	NIR II (750-1550nm)	Fused Silica	#18-196	€299,00 Qty 6+ €239,00	3-4 days
50.00	250.00	245.21	NIR II (750-1550nm)	Fused Silica	#18-201	€299,00 Qty 6+ €239,00	3-4 days

