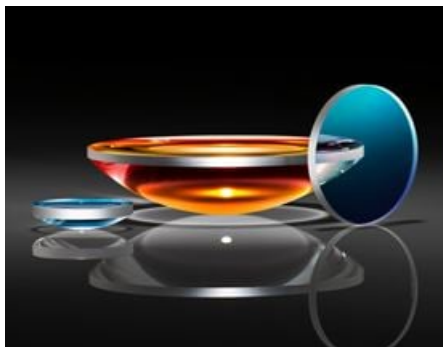


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TECHSPEC®

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 as needed

Optical Properties

Coating: NIR II (750-1550nm)

Coating Specification:

$R_{\text{abs}} \leq 1.5\% @ 750 - 800\text{nm}$
 $R_{\text{abs}} \leq 1.0\% @ 800 - 1550\text{nm}$
 $R_{\text{avg}} \leq 0.7\% @ 750 - 1550\text{nm}$

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: $8 \text{ J/cm}^2 @ 1064\text{nm}, 10\text{ns}$

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	£119.07 Volume Pricing	6 In Stock
5.00	15.00	13.83	NIR II (750-1550nm)	Fused Silica	#18-261	£112.06 Volume Pricing	5 In Stock
5.00	25.00	23.97	NIR II (750-1550nm)	Fused Silica	#18-271	£112.06 Volume Pricing	2 In Stock
6.00	9.00	7.29	NIR II (750-1550nm)	Fused Silica	#18-011	£120.82 Volume Pricing	8 In Stock
6.00	12.00	10.63	NIR II (750-1550nm)	Fused Silica	#18-016	£120.82 Volume Pricing	5 In Stock
6.00	18.00	16.62	NIR II (750-1550nm)	Fused Silica	#18-021	£116.44 Volume Pricing	3 In Stock
6.00	15.00	13.63	NIR II (750-1550nm)	Fused Silica	#18-116	£116.44 Volume Pricing	7 In Stock
9.00	22.00	19.94	NIR II (750-1550nm)	Fused Silica	#17-961	£119.07 Volume Pricing	3 In Stock
9.00	13.50	11.44	NIR II (750-1550nm)	Fused Silica	#18-026	£123.45 Volume Pricing	10 In Stock
9.00	18.00	15.94	NIR II (750-1550nm)	Fused Silica	#18-031	£123.45 Volume Pricing	2 In Stock
9.00	27.00	25.63	NIR II (750-1550nm)	Fused Silica	#18-036	£119.07 Volume Pricing	1 In Stock
9.00	12.00	9.26	NIR II (750-1550nm)	Fused Silica	#18-126	£123.45 Volume Pricing	4 In Stock
10.00	20.00	17.94	NIR II (750-1550nm)	Fused Silica	#17-966	£125.20 Volume Pricing	9 In Stock
12.00	72.00	70.29	NIR II (750-1550nm)	Fused Silica	#17-976	£116.44 Volume Pricing	2 In Stock
12.00	25.00	22.31	NIR II (750-1550nm)	Fused Silica	#18-041	£127.82 Volume Pricing	Contact Us
12.00	30.00	27.56	NIR II (750-1550nm)	Fused Silica	#18-046	£123.45 Volume Pricing	5 In Stock

12.00	40.00	37.85	NIR II (750-1550nm)	Fused Silica	#18-051	£123.45 Volume Pricing	2 In Stock
12.00	50.00	48.01	NIR II (750-1550nm)	Fused Silica	#18-056	£116.44 Volume Pricing	4 In Stock
12.00	100.00	98.33	NIR II (750-1550nm)	Fused Silica	#18-061	£116.44 Volume Pricing	3 In Stock
12.00	18.00	15.26	NIR II (750-1550nm)	Fused Silica	#18-136	£127.82 Volume Pricing	1 In Stock
12.00	36.00	34.29	NIR II (750-1550nm)	Fused Silica	#18-141	£123.45 Volume Pricing	5 In Stock
15.00	30.00	27.53	NIR II (750-1550nm)	Fused Silica	#18-211	£133.95 Volume Pricing	1 In Stock
15.00	45.00	42.94	NIR II (750-1550nm)	Fused Silica	#18-216	£129.57 Volume Pricing	6 In Stock
15.00	60.00	57.94	NIR II (750-1550nm)	Fused Silica	#18-221	£129.57 Volume Pricing	6 In Stock
18.00	27.00	23.23	NIR II (750-1550nm)	Fused Silica	#17-986	£133.95 Volume Pricing	7 In Stock
20.00	30.00	25.88	NIR II (750-1550nm)	Fused Silica	#18-151	£138.33 Volume Pricing	2 In Stock
20.00	40.00	36.92	NIR II (750-1550nm)	Fused Silica	#18-161	£138.33 Volume Pricing	11 In Stock
20.00	50.00	47.25	NIR II (750-1550nm)	Fused Silica	#18-166	£133.95 Volume Pricing	1 In Stock
20.00	60.00	57.60	NIR II (750-1550nm)	Fused Silica	#18-171	£133.95 Volume Pricing	10 In Stock
20.00	80.00	77.95	NIR II (750-1550nm)	Fused Silica	#18-176	£133.95 Volume Pricing	3 In Stock
25.00	40.00	34.86	NIR II (750-1550nm)	Fused Silica	#18-006	£140.96 Volume Pricing	5 In Stock
25.00	38.00	33.03	NIR II (750-1550nm)	Fused Silica	#18-066	£140.96 Volume Pricing	5 In Stock
25.00	50.00	46.00	NIR II (750-1550nm)	Fused Silica	#18-071	£140.96 Volume Pricing	2 In Stock
25.00	75.00	71.96	NIR II (750-1550nm)	Fused Silica	#18-076	£136.58 Volume Pricing	4 In Stock
25.00	100.00	97.40	NIR II (750-1550nm)	Fused Silica	#18-081	£136.58 Volume Pricing	8 In Stock

25.00	125.00	122.65	NIR II (750-1550nm)	Fused Silica	#18-086	£129.57 Volume Pricing	5 In Stock
25.00	150.00	147.82	NIR II (750-1550nm)	Fused Silica	#18-091	£129.57 Volume Pricing	6 In Stock
25.00	175.00	172.94	NIR II (750-1550nm)	Fused Silica	#18-096	£129.57 Volume Pricing	3 In Stock
25.00	200.00	198.02	NIR II (750-1550nm)	Fused Silica	#18-101	£129.57 Volume Pricing	12 In Stock
25.00	250.00	248.14	NIR II (750-1550nm)	Fused Silica	#18-106	£129.57 Volume Pricing	5 In Stock
25.00	400.00	398.33	NIR II (750-1550nm)	Fused Silica	#18-111	£129.57 Volume Pricing	6 In Stock
25.00	60.00	56.92	NIR II (750-1550nm)	Fused Silica	#18-146	£136.58 Volume Pricing	5 In Stock
30.00	50.00	45.2	NIR II (750-1550nm)	Fused Silica	#18-231	£169.85 Volume Pricing	10 In Stock
30.00	90.00	86.57	NIR II (750-1550nm)	Fused Silica	#18-241	£165.47 Volume Pricing	1 In Stock
30.00	120.00	116.57	NIR II (750-1550nm)	Fused Silica	#18-246	£165.47 Volume Pricing	2 In Stock
30.00	150.00	146.57	NIR II (750-1550nm)	Fused Silica	#18-251	£161.09 Volume Pricing	9 In Stock
50.00	75.00	66.43	NIR II (750-1550nm)	Fused Silica	#18-181	£266.15 Volume Pricing	5 In Stock
50.00	100.00	93.84	NIR II (750-1550nm)	Fused Silica	#18-186	£266.15 Volume Pricing	Contact Us
50.00	150.00	145.20	NIR II (750-1550nm)	Fused Silica	#18-191	£261.77 Volume Pricing	Contact Us
50.00	200.00	195.19	NIR II (750-1550nm)	Fused Silica	#18-196	£261.77 Volume Pricing	Contact Us
50.00	250.00	245.21	NIR II (750-1550nm)	Fused Silica	#18-201	£261.77 Volume Pricing	1 In Stock

