

[All Products](#) / [Optics](#) / [Optical Lenses](#) / [Double-Convex \(DCX\) Lenses](#)

TECHSPEC® NIR II Coated Double-Convex (DCX) Lenses



- AR Coated to Provide <0.7% Reflectance per Surface for 750 - 1550nm
- Minimize Aberrations Including Spherical and Coma
- [UV Fused Silica DCX Lenses](#) Available
- Other Coating Options Available: [Uncoated](#), [MgF₂](#), [VIS 0°](#), [NIR I](#), [VIS-EXT](#), [VIS-NIR](#), and [YAG-BBAR](#)

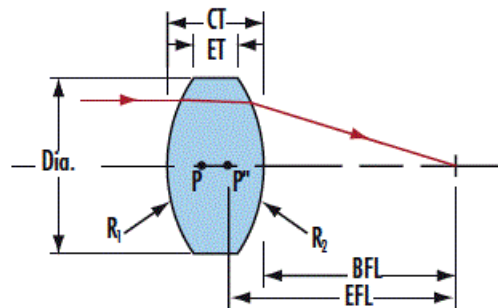
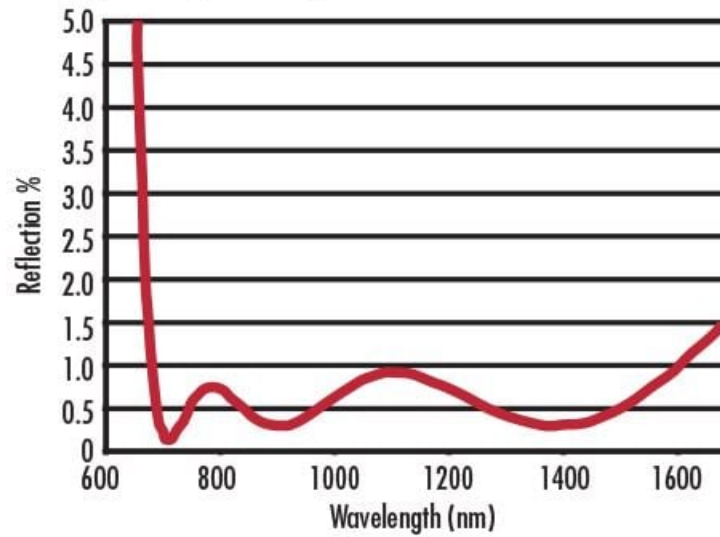
Common Specifications

Optical Properties

Coating: NIR II (750-1550nm)	Coating Specification: $R_{abs} \leq 1.5\% @ 750 - 800\text{nm}$ $R_{abs} \leq 1.0\% @ 800 - 1550\text{nm}$ $R_{avg} \leq 0.7\% @ 750 - 1550\text{nm}$
Power (P-V) @ 632.8nm: 1.5λ	Irregularity (P-V) @ 632.8nm: $\lambda/4$
Focal Length Specification Wavelength (nm): 587.6	Focal Length Tolerance (%): ± 1.00
Wavelength Range (nm): 750 - 1550	

Technical Information

NIR II Coating
 $R_{avg} \leq 0.7\%$ @ 750 - 1550nm, $R_{abs} \leq 1.0\%$ @ 800 - 1550nm
Typ. Energy Density Limit: 8 J/cm² @ 1064nm, 10ns



Products

Dia. (mm)	BFL (mm)	EFL (mm)	Coating	Substrate	Stock Number	Price	Buy
3.00	2.21	3.00	NIR II (750-1550nm)	N-SF5	#67-590	£56.46 Volume Pricing	1 In Stock
3.00	3.78	4.50	NIR II (750-1550nm)	N-BK7	#67-591	£56.46 Volume Pricing	6 In Stock
3.00	5.37	6.00	NIR II (750-1550nm)	N-BK7	#67-592	£56.46 Volume Pricing	2 In Stock
3.00	8.46	9.00	NIR II (750-1550nm)	N-BK7	#67-593	£56.46 Volume Pricing	3 In Stock
4.50	3.70	4.50	NIR II (750-1550nm)	N-LASF44	#67-594	£56.46 Volume Pricing	15 In Stock
4.50	8.16	9.00	NIR II (750-1550nm)	N-BK7	#67-595	£56.46 Volume Pricing	Contact Us
5.00	4.19	5.00	NIR II (750-1550nm)	N-SF5	#67-596	£45.08 Volume Pricing	9 In Stock
5.00	9.31	10.00	NIR II (750-1550nm)	N-BK7	#67-597	£45.08 Volume Pricing	6 In Stock
5.00	14.33	15.00	NIR II (750-1550nm)	N-BK7	#67-598	£45.08 Volume Pricing	5 In Stock
5.00	19.5	20.00	NIR II (750-1550nm)	N-BK7	#67-599	£45.08 Volume Pricing	14 In Stock
5.00	24.5	25.00	NIR II (750-1550nm)	N-BK7	#67-600	£45.08 Volume Pricing	Contact Us
6.00	5.19	6.00	NIR II (750-1550nm)	N-SF5	#67-601	£35.90 Volume Pricing	10 In Stock
6.00	8.22	9.00	NIR II (750-1550nm)	N-BK7	#67-602	£35.90 Volume Pricing	2 In Stock
6.00	11.18	12.00	NIR II (750-1550nm)	N-BK7	#67-603	£35.90 Volume Pricing	14 In Stock
6.00	17.26	18.00	NIR II (750-1550nm)	N-BK7	#67-604	£35.90 Volume Pricing	Contact Us
6.00	23.13	24.00	NIR II (750-1550nm)	N-BK7	#67-605	£35.90 Volume Pricing	2 In Stock

6.00	29.23	30.00	NIR II (750-1550nm)	N-BK7	#67-606	£35.90 Volume Pricing	2 In Stock
6.00	35.33	36.00	NIR II (750-1550nm)	N-BK7	#67-607	£35.90 Volume Pricing	3 In Stock
9.00	7.90	9.00	NIR II (750-1550nm)	N-SF5	#67-608	£36.77 Volume Pricing	20+ In Stock
9.00	12.56	13.50	NIR II (750-1550nm)	N-BK7	#67-609	£36.77 Volume Pricing	20+ In Stock
9.00	17.12	18.00	NIR II (750-1550nm)	N-BK7	#67-610	£36.77 Volume Pricing	15 In Stock
9.00	26.08	27.00	NIR II (750-1550nm)	N-BK7	#67-611	£36.77 Volume Pricing	1 In Stock
9.00	35.15	36.00	NIR II (750-1550nm)	N-BK7	#67-612	£36.77 Volume Pricing	5 In Stock
9.00	44.17	45.00	NIR II (750-1550nm)	N-BK7	#67-613	£36.77 Volume Pricing	14 In Stock
10.00	8.89	10.00	NIR II (750-1550nm)	N-SF5	#67-614	£36.77 Volume Pricing	17 In Stock
10.00	13.8	15.00	NIR II (750-1550nm)	N-BK7	#67-615	£36.77 Volume Pricing	20+ In Stock
10.00	19.16	20.00	NIR II (750-1550nm)	N-BK7	#67-616	£36.77 Volume Pricing	7 In Stock
10.00	24.16	25.00	NIR II (750-1550nm)	N-BK7	#67-617	£36.77 Volume Pricing	Contact Us
10.00	29.17	30.00	NIR II (750-1550nm)	N-BK7	#67-618	£36.77 Volume Pricing	Contact Us
10.00	39.16	40.00	NIR II (750-1550nm)	N-BK7	#67-619	£36.77 Volume Pricing	5 In Stock
10.00	49.17	50.00	NIR II (750-1550nm)	N-BK7	#67-620	£36.77 Volume Pricing	3 In Stock
10.00	99.17	100.00	NIR II (750-1550nm)	N-BK7	#67-621	£36.77 Volume Pricing	6 In Stock
12.00	10.79	12.00	NIR II (750-1550nm)	N-SF5	#67-622	£39.40 Volume Pricing	16 In Stock
12.00	16.81	18.00	NIR II (750-1550nm)	N-BK7	#67-623	£38.52 Volume Pricing	3 In Stock
12.00	22.65	24.00	NIR II (750-1550nm)	N-BK7	#33-393	£38.52 Volume Pricing	2 In Stock

12.00	28.75	30.00	NIR II (750-1550nm)	N-BK7	#67-625	£38.52 Volume Pricing	5 In Stock
12.00	34.90	36.00	NIR II (750-1550nm)	N-BK7	#67-626	£38.52 Volume Pricing	5 In Stock
12.00	47.09	48.00	NIR II (750-1550nm)	N-BK7	#67-627	£38.52 Volume Pricing	3 In Stock
12.00	71.07	72.00	NIR II (750-1550nm)	N-BK7	#67-628	£38.52 Volume Pricing	5 In Stock
15.00	13.68	15.00	NIR II (750-1550nm)	N-SF11	#67-629	£39.40 Volume Pricing	12 In Stock
15.00	18.99	20.00	NIR II (750-1550nm)	N-SF11	#67-630	£38.52 Volume Pricing	5 In Stock
15.00	21.29	22.50	NIR II (750-1550nm)	N-SF11	#67-631	£38.52 Volume Pricing	20+ In Stock
15.00	23.82	25.00	NIR II (750-1550nm)	N-BK7	#67-632	£38.52 Volume Pricing	5 In Stock
15.00	28.82	30.00	NIR II (750-1550nm)	N-BK7	#67-633	£38.52 Volume Pricing	Contact Us
15.00	44.00	45.00	NIR II (750-1550nm)	N-BK7	#67-634	£38.52 Volume Pricing	10 In Stock
15.00	49.00	50.00	NIR II (750-1550nm)	N-BK7	#67-635	£38.52 Volume Pricing	3 In Stock
15.00	59.00	60.00	NIR II (750-1550nm)	N-BK7	#67-636	£38.52 Volume Pricing	Contact Us
18.00	16.69	18.00	NIR II (750-1550nm)	N-SF11	#67-637	£39.40 Volume Pricing	6 In Stock
18.00	25.25	27.00	NIR II (750-1550nm)	N-BK7	#67-638	£39.40 Volume Pricing	1 In Stock
18.00	34.59	36.00	NIR II (750-1550nm)	N-BK7	#67-639	£39.40 Volume Pricing	20+ In Stock
20.00	18.55	20.00	NIR II (750-1550nm)	N-SF11	#67-640	£40.06 Volume Pricing	10 In Stock
20.00	23.86	25.00	NIR II (750-1550nm)	N-SF11	#67-641	£40.06 Volume Pricing	20+ In Stock
20.00	28.2	30.00	NIR II (750-1550nm)	N-BK7	#67-642	£40.06 Volume Pricing	20+ In Stock
20.00	38.44	40.00	NIR II (750-1550nm)	N-BK7	#67-643	£40.06 Volume Pricing	14 In Stock

20.00	48.84	50.00	NIR II (750-1550nm)	N-BK7	#67-644	£40.06 Volume Pricing	Contact Us
20.00	58.67	60.00	NIR II (750-1550nm)	N-BK7	#67-645	£40.06 Volume Pricing	5 In Stock
20.00	78.67	80.00	NIR II (750-1550nm)	N-BK7	#67-646	£40.06 Volume Pricing	1 In Stock
25.00	22.47	25.00	NIR II (750-1550nm)	N-SF5	#67-647	£40.49 Volume Pricing	5 In Stock
25.00	28.31	30.00	NIR II (750-1550nm)	N-SF5	#67-648	£40.06 Volume Pricing	20+ In Stock
25.00	32.81	35.00	NIR II (750-1550nm)	N-BK7	#67-649	£40.06 Volume Pricing	5 In Stock
25.00	38.21	40.00	NIR II (750-1550nm)	N-BK7	#67-650	£40.06 Volume Pricing	2 In Stock
25.00	48.29	50.00	NIR II (750-1550nm)	N-BK7	#67-651	£40.06 Volume Pricing	20+ In Stock
25.00	73.84	75.00	NIR II (750-1550nm)	N-BK7	#67-652	£40.06 Volume Pricing	2 In Stock
25.00	98.95	100.00	NIR II (750-1550nm)	N-BK7	#67-653	£40.06 Volume Pricing	1 In Stock
25.00	123.84	125.00	NIR II (750-1550nm)	N-BK7	#67-654	£40.06 Volume Pricing	4 In Stock
25.00	148.88	150.00	NIR II (750-1550nm)	N-BK7	#67-655	£40.06 Volume Pricing	14 In Stock
25.00	173.94	175.00	NIR II (750-1550nm)	N-BK7	#67-656	£40.06 Volume Pricing	5 In Stock
25.00	198.35	200.00	NIR II (750-1550nm)	N-BK7	#33-399	£40.06 Volume Pricing	6 In Stock
30.00	28.12	30.00	NIR II (750-1550nm)	N-SF11	#67-659	£51.22 Volume Pricing	Contact Us
30.00	47.82	50.00	NIR II (750-1550nm)	N-BK7	#67-660	£50.35 Volume Pricing	Contact Us
30.00	58.33	60.00	NIR II (750-1550nm)	N-BK7	#67-661	£50.35 Volume Pricing	Contact Us
30.00	73.35	75.00	NIR II (750-1550nm)	N-BK7	#67-662	£50.35 Volume Pricing	10 In Stock
30.00	98.34	100.00	NIR II (750-1550nm)	N-BK7	#67-663	£50.35 Volume Pricing	5 In Stock

30.00	118.34	120.00	NIR II (750-1550nm)	N-BK7	#67-664	£50.35 Volume Pricing	6 In Stock
40.00	37.54	40.00	NIR II (750-1550nm)	N-SF11	#67-666	£56.46 Volume Pricing	Contact Us
40.00	57.1	60.00	NIR II (750-1550nm)	N-BK7	#67-667	£56.46 Volume Pricing	Contact Us
40.00	77.32	80.00	NIR II (750-1550nm)	N-BK7	#33-424	£56.46 Volume Pricing	5 In Stock
40.00	97.33	100.00	NIR II (750-1550nm)	N-BK7	#33-411	£56.46 Volume Pricing	5 In Stock
40.00	117.67	120.00	NIR II (750-1550nm)	N-BK7	#67-670	£56.46 Volume Pricing	1 In Stock
40.00	197.35	200.00	NIR II (750-1550nm)	N-BK7	#33-418	£56.46 Volume Pricing	5 In Stock
50.00	45.30	50.00	NIR II (750-1550nm)	N-SF11	#67-673	£58.66 Volume Pricing	5 In Stock
50.00	96.65	100.00	NIR II (750-1550nm)	N-BK7	#67-674	£58.66 Volume Pricing	2 In Stock
50.00	147.00	150.00	NIR II (750-1550nm)	N-BK7	#67-675	£58.66 Volume Pricing	6 In Stock
50.00	198.33	200.00	NIR II (750-1550nm)	N-BK7	#67-676	£58.66 Volume Pricing	1 In Stock
50.00	248.37	250.00	NIR II (750-1550nm)	N-BK7	#67-677	£58.66 Volume Pricing	Contact Us



Copyright 2023 | Edmund Optics, Ltd Unit 1, Opus Avenue, Nether Poppleton, York, YO26 6BL, UK

Phone: 1-800-363-1992 :

www.edmundoptics.com