

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

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



- AR Coated to Provide <1.25% Reflectance per Surface for 400 - 1000nm
- Minimize Aberrations Including Spherical and Coma
- [UV Fused Silica DCX Lenses](#) Available
- Other Coating Options Available: [Uncoated](#), [MgF₂](#), [VIS 0°](#), [NIR I](#), [NIR II](#), [VIS-EXT](#), and [YAG-BBAR](#)

Common Specifications

Physical & Mechanical Properties

Bevel: Protective as needed

Optical Properties

Coating: VIS-NIR (400-1000nm)

Coating Specification:

$R_{abs} \leq 0.25\% @ 880\text{nm}$
 $R_{avg} \leq 1.25\% @ 400 - 870\text{nm}$
 $R_{avg} \leq 1.25\% @ 890 - 1000\text{nm}$

Focal Length Tolerance (%): ± 1

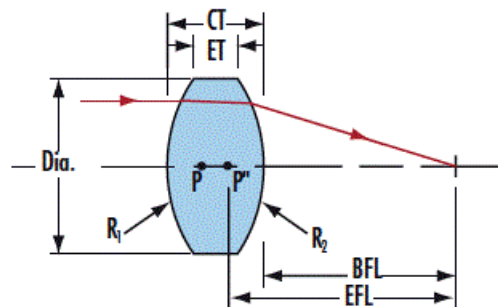
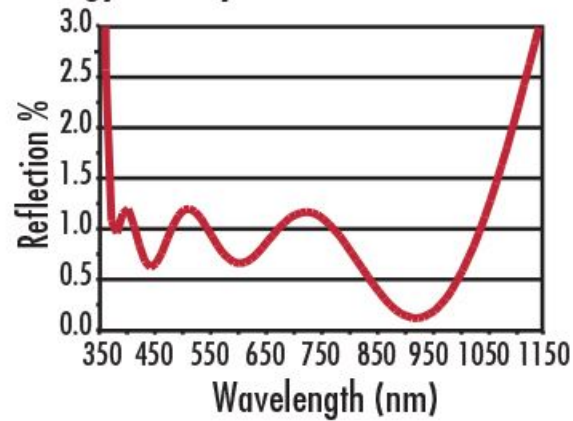
Wavelength Range (nm): 400 - 1000

Technical Information

VIS-NIR Coating

$R_{avg} \leq 0.25\%$ @ 880nm, $R_{avg} \leq 1.25\%$ @ 400 - 1000nm

Typ. Energy Density Limit: 5 J/cm² @ 532nm, 10ns



Products

Dia. (mm)	BFL (mm)	EFL (mm)	Coating	Substrate	Stock Number	Price	Buy
3.00	2.21	3.00	VIS-NIR (400-1000nm)	N-SF5	#49-447	C\$50.65 C\$101.30 Volume Pricing	7 In Stock
3.00	3.78	4.50	VIS-NIR (400-1000nm)	N-BK7	#49-448	C\$101.30 Volume Pricing	1 In Stock
3.00	5.37	6.00	VIS-NIR (400-1000nm)	N-BK7	#49-449	C\$101.30 Volume Pricing	10 In Stock
3.00	8.46	9.00	VIS-NIR (400-1000nm)	N-BK7	#49-450	C\$101.30 Volume Pricing	2 In Stock
4.50	3.70	4.50	VIS-NIR (400-1000nm)	N-LASF44	#47-893	C\$101.30 Volume Pricing	20+ In Stock
4.50	8.16	9.00	VIS-NIR (400-1000nm)	N-BK7	#47-894	C\$101.30 Volume Pricing	8 In Stock
5.00	4.19	5.00	VIS-NIR (400-1000nm)	N-SF5	#63-658	C\$81.65 Volume Pricing	20+ In Stock
5.00	9.31	10.00	VIS-NIR (400-1000nm)	N-BK7	#63-659	C\$81.65 Volume Pricing	6 In Stock
5.00	14.33	15.00	VIS-NIR (400-1000nm)	N-BK7	#63-660	C\$81.65 Volume Pricing	20+ In Stock
5.00	19.50	20.00	VIS-NIR (400-1000nm)	N-BK7	#63-661	C\$81.65 Volume Pricing	Contact Us
5.00	24.50	25.00	VIS-NIR (400-1000nm)	N-BK7	#63-662	C\$81.65 Volume Pricing	Contact Us
6.00	5.19	6.00	VIS-NIR (400-1000nm)	N-SF5	#45-859	C\$32.89 C\$65.77 Volume Pricing	6 In Stock

6.00	8.22	9.00	VIS-NIR (400-1000nm)	N-BK7	#45-860	C\$65.77 Volume Pricing	9 In Stock
6.00	11.18	12.00	VIS-NIR (400-1000nm)	N-BK7	#45-861	C\$65.77 Volume Pricing	20+ In Stock
6.00	17.26	18.00	VIS-NIR (400-1000nm)	N-BK7	#45-862	C\$65.77 Volume Pricing	Contact Us
6.00	23.13	24.00	VIS-NIR (400-1000nm)	N-BK7	#45-863	C\$65.77 Volume Pricing	2 In Stock
6.00	29.23	30.00	VIS-NIR (400-1000nm)	N-BK7	#45-864	C\$65.77 Volume Pricing	5 In Stock
6.00	35.33	36.00	VIS-NIR (400-1000nm)	N-BK7	#45-865	C\$65.77 Volume Pricing	4 In Stock
9.00	7.90	9.00	VIS-NIR (400-1000nm)	N-SF5	#45-866	C\$33.64 C\$67.28 Volume Pricing	20+ In Stock
9.00	12.56	13.50	VIS-NIR (400-1000nm)	N-BK7	#45-867	C\$67.28 Volume Pricing	Contact Us
9.00	17.12	18.00	VIS-NIR (400-1000nm)	N-BK7	#45-868	C\$67.28 Volume Pricing	2 In Stock
9.00	26.08	27.00	VIS-NIR (400-1000nm)	N-BK7	#45-869	C\$67.28 Volume Pricing	20+ In Stock
9.00	35.15	36.00	VIS-NIR (400-1000nm)	N-BK7	#45-870	C\$67.28 Volume Pricing	Contact Us
9.00	44.17	45.00	VIS-NIR (400-1000nm)	N-BK7	#45-871	C\$67.28 Volume Pricing	2 In Stock
10.00	8.89	10.00	VIS-NIR (400-1000nm)	N-SF5	#63-663	C\$33.64 C\$67.28 Volume Pricing	16 In Stock
10.00	13.80	15.00	VIS-NIR (400-1000nm)	N-BK7	#63-664	C\$67.28 Volume Pricing	4 In Stock

10.00	19.16	20.00	VIS-NIR (400-1000nm)	N-BK7	#63-665	C\$67.28 Volume Pricing	20+ In Stock
10.00	24.16	25.00	VIS-NIR (400-1000nm)	N-BK7	#63-666	C\$67.28 Volume Pricing	5 In Stock
10.00	29.17	30.00	VIS-NIR (400-1000nm)	N-BK7	#63-667	C\$67.28 Volume Pricing	1 In Stock
10.00	39.16	40.00	VIS-NIR (400-1000nm)	N-BK7	#63-668	C\$67.28 Volume Pricing	1 In Stock
10.00	49.17	50.00	VIS-NIR (400-1000nm)	N-BK7	#63-669	C\$67.28 Volume Pricing	5 In Stock
10.00	99.17	100.00	VIS-NIR (400-1000nm)	N-BK7	#63-670	C\$67.28 Volume Pricing	6 In Stock
12.00	10.79	12.00	VIS-NIR (400-1000nm)	N-SF5	#45-872	C\$71.82 Volume Pricing	20+ In Stock
12.00	16.81	18.00	VIS-NIR (400-1000nm)	N-BK7	#45-873	C\$35.16 C\$70.31 Volume Pricing	20+ In Stock
12.00	22.65	24.00	VIS-NIR (400-1000nm)	N-BK7	#33-391	C\$70.31 Volume Pricing	4 In Stock
12.00	28.75	30.00	VIS-NIR (400-1000nm)	N-BK7	#45-875	C\$70.31 Volume Pricing	6 In Stock
12.00	34.90	36.00	VIS-NIR (400-1000nm)	N-BK7	#45-876	C\$70.31 Volume Pricing	3 In Stock
12.00	47.09	48.00	VIS-NIR (400-1000nm)	N-BK7	#45-877	C\$70.31 Volume Pricing	6 In Stock
12.00	71.07	72.00	VIS-NIR (400-1000nm)	N-BK7	#45-878	C\$70.31 Volume Pricing	16 In Stock
15.00	13.68	15.00	VIS-NIR (400-1000nm)	N-SF11	#45-879	C\$71.82 Volume Pricing	Contact Us

15.00	18.99	20.00	VIS-NIR (400-1000nm)	N-SF11	#63-671	C\$70.31 Volume Pricing	5 In Stock
15.00	21.29	22.50	VIS-NIR (400-1000nm)	N-SF11	#45-880	C\$70.31 Volume Pricing	14 In Stock
15.00	23.82	25.00	VIS-NIR (400-1000nm)	N-BK7	#63-672	C\$70.31 Volume Pricing	2 In Stock
15.00	28.82	30.00	VIS-NIR (400-1000nm)	N-BK7	#45-881	C\$35.16 C\$70.31 Volume Pricing	8 In Stock
15.00	44.00	45.00	VIS-NIR (400-1000nm)	N-BK7	#63-673	C\$70.31 Volume Pricing	15 In Stock
15.00	49.00	50.00	VIS-NIR (400-1000nm)	N-BK7	#45-882	C\$70.31 Volume Pricing	5 In Stock
15.00	59.00	60.00	VIS-NIR (400-1000nm)	N-BK7	#63-674	C\$70.31 Volume Pricing	2 In Stock
18.00	16.69	18.00	VIS-NIR (400-1000nm)	N-SF11	#63-675	C\$73.33 Volume Pricing	10 In Stock
18.00	25.25	27.00	VIS-NIR (400-1000nm)	N-BK7	#45-883	C\$73.33 Volume Pricing	5 In Stock
18.00	34.59	36.00	VIS-NIR (400-1000nm)	N-BK7	#45-884	C\$73.33 Volume Pricing	11 In Stock
20.00	18.55	20.00	VIS-NIR (400-1000nm)	N-SF11	#63-678	C\$74.47 Volume Pricing	11 In Stock
20.00	23.86	25.00	VIS-NIR (400-1000nm)	N-SF11	#63-679	C\$37.24 C\$74.47 Volume Pricing	20+ In Stock
20.00	28.20	30.00	VIS-NIR (400-1000nm)	N-BK7	#45-885	C\$74.47 Volume Pricing	20+ In Stock
20.00	38.44	40.00	VIS-NIR (400-1000nm)	N-BK7	#45-886	C\$74.47 Volume Pricing	20+ In Stock

20.00	48.84	50.00	VIS-NIR (400-1000nm)	N-BK7	#63-680	C\$37.24 C\$74.47 Volume Pricing	14 In Stock
20.00	58.67	60.00	VIS-NIR (400-1000nm)	N-BK7	#63-681	C\$74.47 Volume Pricing	5 In Stock
20.00	78.67	80.00	VIS-NIR (400-1000nm)	N-BK7	#63-682	C\$52.13 C\$74.47 Volume Pricing	4 In Stock
25.00	22.47	25.00	VIS-NIR (400-1000nm)	N-SF5	#45-887	C\$78.62 Volume Pricing	20+ In Stock
25.00	28.31	30.00	VIS-NIR (400-1000nm)	N-SF5	#63-683	C\$38.94 C\$77.87 Volume Pricing	20+ In Stock
25.00	32.81	35.00	VIS-NIR (400-1000nm)	N-BK7	#45-888	C\$38.94 C\$77.87 Volume Pricing	20+ In Stock
25.00	38.21	40.00	VIS-NIR (400-1000nm)	N-BK7	#45-889	C\$77.87 Volume Pricing	3 In Stock
25.00	48.29	50.00	VIS-NIR (400-1000nm)	N-BK7	#45-890	C\$77.87 Volume Pricing	9 In Stock
25.00	73.84	75.00	VIS-NIR (400-1000nm)	N-BK7	#45-891	C\$77.87 Volume Pricing	7 In Stock
25.00	98.95	100.00	VIS-NIR (400-1000nm)	N-BK7	#45-892	C\$77.87 Volume Pricing	6 In Stock
25.00	123.84	125.00	VIS-NIR (400-1000nm)	N-BK7	#45-893	C\$38.94 C\$77.87 Volume Pricing	8 In Stock
25.00	148.88	150.00	VIS-NIR (400-1000nm)	N-BK7	#45-894	C\$38.94 C\$77.87 Volume Pricing	5 In Stock
25.00	173.94	175.00	VIS-NIR (400-1000nm)	N-BK7	#45-895	C\$38.94 C\$77.87 Volume Pricing	9 In Stock
25.00	198.35	200.00	VIS-NIR (400-1000nm)	N-BK7	#33-397	C\$38.94 C\$77.87 Volume Pricing	13 In Stock

30.00	28.12	30.00	VIS-NIR (400-1000nm)	N-SF11	#63-684	C\$92.23 Volume Pricing	20+ In Stock
30.00	47.82	50.00	VIS-NIR (400-1000nm)	N-BK7	#45-898	C\$90.72 Volume Pricing	Contact Us
30.00	58.33	60.00	VIS-NIR (400-1000nm)	N-BK7	#63-685	C\$90.72 Volume Pricing	1 In Stock
30.00	73.35	75.00	VIS-NIR (400-1000nm)	N-BK7	#45-899	C\$90.72 Volume Pricing	20+ In Stock
30.00	98.34	100.00	VIS-NIR (400-1000nm)	N-BK7	#63-686	C\$90.72 Volume Pricing	5 In Stock
30.00	118.34	120.00	VIS-NIR (400-1000nm)	N-BK7	#63-687	C\$90.72 Volume Pricing	Contact Us
40.00	37.54	40.00	VIS-NIR (400-1000nm)	N-SF11	#63-688	C\$54.43 C\$108.86 Volume Pricing	13 In Stock
40.00	57.10	60.00	VIS-NIR (400-1000nm)	N-BK7	#45-900	C\$108.86 Volume Pricing	12 In Stock
40.00	77.32	80.00	VIS-NIR (400-1000nm)	N-BK7	#33-422	C\$27.22 C\$108.86 Volume Pricing	17 In Stock
40.00	97.33	100.00	VIS-NIR (400-1000nm)	N-BK7	#33-409	C\$108.86 Volume Pricing	Contact Us
40.00	117.67	120.00	VIS-NIR (400-1000nm)	N-BK7	#63-689	C\$108.86 Volume Pricing	7 In Stock
40.00	197.35	200.00	VIS-NIR (400-1000nm)	N-BK7	#33-416	C\$108.86 Volume Pricing	1 In Stock
50.00	45.30	50.00	VIS-NIR (400-1000nm)	N-SF11	#45-905	C\$56.32 C\$112.64 Volume Pricing	8 In Stock
50.00	96.65	100.00	VIS-NIR (400-1000nm)	N-BK7	#45-906	C\$112.64 Volume Pricing	5 In Stock

50.00	147.00	150.00	VIS-NIR (400-1000nm)	N-BK7	#45-907	C\$112.64 Volume Pricing	3 In Stock
50.00	198.33	200.00	VIS-NIR (400-1000nm)	N-BK7	#45-908	C\$56.32 C\$112.64 Volume Pricing	14 In Stock
50.00	248.37	250.00	VIS-NIR (400-1000nm)	N-BK7	#45-909	C\$112.64 Volume Pricing	5 In Stock



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