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



- AR Coated to Provide <0.5% Reflectance per Surface for 600 - 1050nm
- Minimize Aberrations Including Spherical and Coma
- [UV Fused Silica DCX Lenses](#) Available
- Other Coating Options Available: [Uncoated](#), [MgF₂](#), [VIS 0°](#), [NIR II](#), [VIS-EXT](#), [VIS-NIR](#), and [YAG-BBAR](#)

Common Specifications

Physical & Mechanical Properties

Bevel: Protective as needed

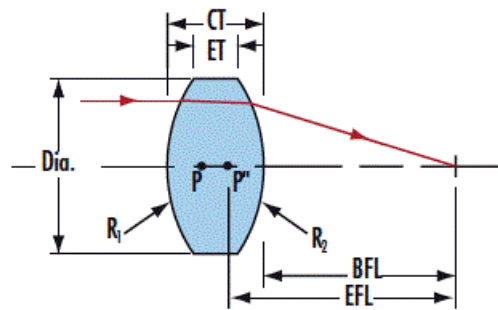
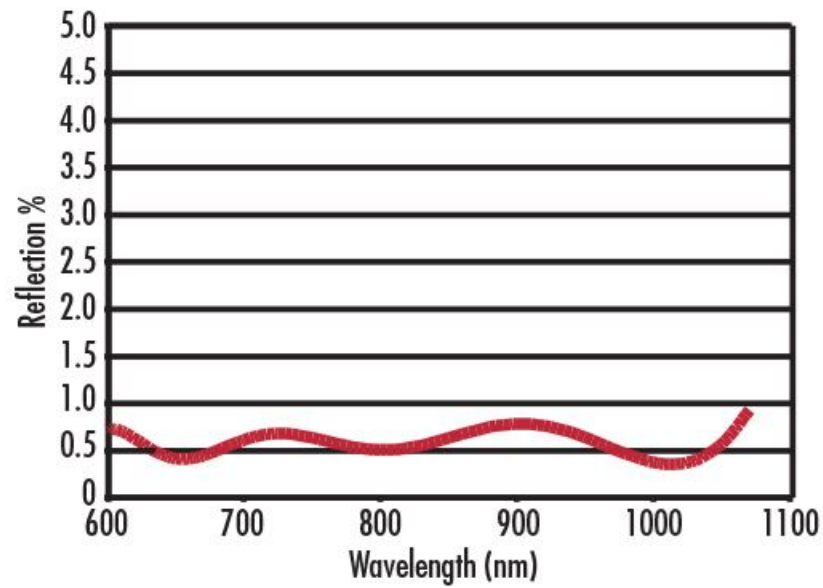
Optical Properties

Coating: NIR I (600-1050nm)

Coating Specification:	$R_{\text{avg}} \leq 0.5\% @ 600 - 1050\text{nm}$	Power (P-V) @ 632.8nm:	1.5λ
Irregularity (P-V) @ 632.8nm:	$\lambda/4$	Focal Length Specification Wavelength (nm):	587.6
Wavelength Range (nm):	600 - 1050	Damage Threshold, By Design:	$7 \text{ J/cm}^2 @ 1064\text{nm}, 10\text{ns}$

Technical Information

NIR I Coating
 $R_{avg} \leq 0.5\%$ @ 600 - 1050nm
Typ. Energy Density Limit: 7 J/cm² @ 1064nm, 10ns



Products

Dia. (mm)	BFL (mm)	EFL (mm)	Coating	Substrate	Stock Number	Price	Buy
3.00	2.21	3.00	NIR I (600-1050nm)	N-SF5	#49-451	A\$106.30 Volume Pricing	12 In Stock
3.00	3.78	4.50	NIR I (600-1050nm)	N-BK7	#49-452	A\$106.30 Volume Pricing	Contact Us
3.00	5.37	6.00	NIR I (600-1050nm)	N-BK7	#49-453	A\$106.30 Volume Pricing	5 In Stock
3.00	8.46	9.00	NIR I (600-1050nm)	N-BK7	#49-454	A\$106.30 Volume Pricing	20+ In Stock
4.50	3.70	4.50	NIR I (600-1050nm)	N-LASF44	#49-455	A\$106.30 Volume Pricing	5 In Stock
4.50	8.16	9.00	NIR I (600-1050nm)	N-BK7	#49-456	A\$106.30 Volume Pricing	8 In Stock
5.00	4.19	5.00	NIR I (600-1050nm)	N-SF5	#63-626	A\$84.87 Volume Pricing	8 In Stock
5.00	9.31	10.00	NIR I (600-1050nm)	N-BK7	#63-627	A\$84.87 Volume Pricing	9 In Stock
5.00	14.33	15.00	NIR I (600-1050nm)	N-BK7	#63-628	A\$84.87 Volume Pricing	14 In Stock
5.00	19.50	20.00	NIR I (600-1050nm)	N-BK7	#63-629	A\$84.87 Volume Pricing	Contact Us
5.00	24.50	25.00	NIR I (600-1050nm)	N-BK7	#63-630	A\$84.87 Volume Pricing	Contact Us
6.00	5.19	6.00	NIR I (600-1050nm)	N-SF5	#49-457	A\$67.57 Volume Pricing	15 In Stock
6.00	8.22	9.00	NIR I (600-1050nm)	N-BK7	#49-458	A\$67.57 Volume Pricing	8 In Stock
6.00	11.18	12.00	NIR I (600-1050nm)	N-BK7	#49-459	A\$67.57 Volume Pricing	20+ In Stock
6.00	17.26	18.00	NIR I (600-1050nm)	N-BK7	#49-460	A\$67.57 Volume Pricing	14 In Stock
6.00	23.13	24.00	NIR I (600-1050nm)	N-BK7	#49-461	A\$67.57 Volume Pricing	Contact Us

6.00	29.23	30.00	NIR I (600-1050nm)	N-BK7	#49-462	A\$67.57 Volume Pricing	7 In Stock
6.00	35.33	36.00	NIR I (600-1050nm)	N-BK7	#49-463	A\$67.57 Volume Pricing	4 In Stock
9.00	7.90	9.00	NIR I (600-1050nm)	N-SF5	#49-464	A\$69.22 Volume Pricing	7 In Stock
9.00	12.56	13.50	NIR I (600-1050nm)	N-BK7	#49-465	A\$69.22 Volume Pricing	20+ In Stock
9.00	17.12	18.00	NIR I (600-1050nm)	N-BK7	#49-466	A\$69.22 Volume Pricing	1 In Stock
9.00	26.08	27.00	NIR I (600-1050nm)	N-BK7	#49-467	A\$69.22 Volume Pricing	6 In Stock
9.00	35.15	36.00	NIR I (600-1050nm)	N-BK7	#49-468	A\$69.22 Volume Pricing	Contact Us
9.00	44.17	45.00	NIR I (600-1050nm)	N-BK7	#49-469	A\$69.22 Volume Pricing	20+ In Stock
10.00	8.89	10.00	NIR I (600-1050nm)	N-SF5	#63-631	A\$69.22 Volume Pricing	20+ In Stock
10.00	13.80	15.00	NIR I (600-1050nm)	N-BK7	#63-632	A\$69.22 Volume Pricing	13 In Stock
10.00	19.16	20.00	NIR I (600-1050nm)	N-BK7	#63-633	A\$69.22 Volume Pricing	Contact Us
10.00	24.16	25.00	NIR I (600-1050nm)	N-BK7	#63-634	A\$69.22 Volume Pricing	1 In Stock
10.00	29.17	30.00	NIR I (600-1050nm)	N-BK7	#63-635	A\$69.22 Volume Pricing	5 In Stock
10.00	39.16	40.00	NIR I (600-1050nm)	N-BK7	#63-636	A\$69.22 Volume Pricing	11 In Stock
10.00	49.17	50.00	NIR I (600-1050nm)	N-BK7	#63-637	A\$69.22 Volume Pricing	3 In Stock
10.00	99.17	100.00	NIR I (600-1050nm)	N-BK7	#63-638	A\$69.22 Volume Pricing	20+ In Stock
12.00	10.79	12.00	NIR I (600-1050nm)	N-SF5	#49-474	A\$74.16 Volume Pricing	5 In Stock
12.00	16.81	18.00	NIR I (600-1050nm)	N-BK7	#49-475	A\$72.51 Volume Pricing	20+ In Stock
12.00	22.65	24.00	NIR I (600-1050nm)	N-BK7	#33-392	A\$72.51 Volume Pricing	10 In Stock

12.00	28.75	30.00	NIR I (600-1050nm)	N-BK7	#49-477	A\$72.51 Volume Pricing	20+ In Stock
12.00	34.90	36.00	NIR I (600-1050nm)	N-BK7	#49-478	A\$72.51 Volume Pricing	9 In Stock
12.00	47.09	48.00	NIR I (600-1050nm)	N-BK7	#49-479	A\$72.51 Volume Pricing	5 In Stock
12.00	71.07	72.00	NIR I (600-1050nm)	N-BK7	#49-480	A\$72.51 Volume Pricing	5 In Stock
15.00	13.68	15.00	NIR I (600-1050nm)	N-SF11	#49-481	A\$74.16 Volume Pricing	15 In Stock
15.00	18.99	20.00	NIR I (600-1050nm)	N-SF11	#63-639	A\$72.51 Volume Pricing	20+ In Stock
15.00	21.29	22.50	NIR I (600-1050nm)	N-SF11	#49-482	A\$72.51 Volume Pricing	Contact Us
15.00	23.82	25.00	NIR I (600-1050nm)	N-BK7	#63-640	A\$72.51 Volume Pricing	Contact Us
15.00	28.82	30.00	NIR I (600-1050nm)	N-BK7	#49-483	A\$72.51 Volume Pricing	14 In Stock
15.00	44.00	45.00	NIR I (600-1050nm)	N-BK7	#63-641	A\$72.51 Volume Pricing	3 In Stock
15.00	49.00	50.00	NIR I (600-1050nm)	N-BK7	#49-484	A\$72.51 Volume Pricing	8 In Stock
15.00	59.00	60.00	NIR I (600-1050nm)	N-BK7	#63-642	A\$72.51 Volume Pricing	20+ In Stock
18.00	16.69	18.00	NIR I (600-1050nm)	N-SF11	#63-643	A\$74.16 Volume Pricing	5 In Stock
18.00	25.25	27.00	NIR I (600-1050nm)	N-BK7	#49-485	A\$74.16 Volume Pricing	20+ In Stock
18.00	34.59	36.00	NIR I (600-1050nm)	N-BK7	#49-486	A\$74.16 Volume Pricing	17 In Stock
20.00	18.55	20.00	NIR I (600-1050nm)	N-SF11	#63-646	A\$75.40 Volume Pricing	6 In Stock
20.00	23.86	25.00	NIR I (600-1050nm)	N-SF11	#63-647	A\$75.40 Volume Pricing	Contact Us
20.00	28.20	30.00	NIR I (600-1050nm)	N-BK7	#49-487	A\$75.40 Volume Pricing	9 In Stock
20.00	38.44	40.00	NIR I (600-1050nm)	N-BK7	#49-488	A\$75.40 Volume Pricing	5 In Stock

20.00	48.84	50.00	NIR I (600-1050nm)	N-BK7	#63-648	A\$75.40 Volume Pricing	5 In Stock
20.00	58.67	60.00	NIR I (600-1050nm)	N-BK7	#63-649	A\$75.40 Volume Pricing	2 In Stock
20.00	78.67	80.00	NIR I (600-1050nm)	N-BK7	#63-650	A\$75.40 Volume Pricing	6 In Stock
25.00	22.47	25.00	NIR I (600-1050nm)	N-SF5	#49-489	A\$76.22 Volume Pricing	9 In Stock
25.00	28.31	30.00	NIR I (600-1050nm)	N-SF5	#63-651	A\$74.98 Volume Pricing	5 In Stock
25.00	32.81	35.00	NIR I (600-1050nm)	N-BK7	#49-490	A\$75.40 Volume Pricing	8 In Stock
25.00	38.21	40.00	NIR I (600-1050nm)	N-BK7	#49-491	A\$75.40 Volume Pricing	14 In Stock
25.00	48.29	50.00	NIR I (600-1050nm)	N-BK7	#49-492	A\$75.40 Volume Pricing	Contact Us
25.00	73.84	75.00	NIR I (600-1050nm)	N-BK7	#49-493	A\$75.40 Volume Pricing	6 In Stock
25.00	98.95	100.00	NIR I (600-1050nm)	N-BK7	#49-494	A\$75.40 Volume Pricing	1 In Stock
25.00	123.84	125.00	NIR I (600-1050nm)	N-BK7	#49-495	A\$75.40 Volume Pricing	5 In Stock
25.00	148.88	150.00	NIR I (600-1050nm)	N-BK7	#49-496	A\$75.40 Volume Pricing	20+ In Stock
25.00	173.94	175.00	NIR I (600-1050nm)	N-BK7	#49-497	A\$75.40 Volume Pricing	16 In Stock
25.00	198.35	200.00	NIR I (600-1050nm)	N-BK7	#33-398	A\$75.40 Volume Pricing	5 In Stock
30.00	28.12	30.00	NIR I (600-1050nm)	N-SF11	#63-652	A\$96.41 Volume Pricing	Contact Us
30.00	47.82	50.00	NIR I (600-1050nm)	N-BK7	#49-500	A\$94.76 Volume Pricing	2 In Stock
30.00	58.33	60.00	NIR I (600-1050nm)	N-BK7	#63-653	A\$94.76 Volume Pricing	3 In Stock
30.00	73.35	75.00	NIR I (600-1050nm)	N-BK7	#49-501	A\$94.76 Volume Pricing	2 In Stock
30.00	98.34	100.00	NIR I (600-1050nm)	N-BK7	#63-654	A\$94.76 Volume Pricing	5 In Stock

30.00	118.34	120.00	NIR I (600-1050nm)	N-BK7	#63-655	A\$94.76 Volume Pricing	6 In Stock
40.00	37.54	40.00	NIR I (600-1050nm)	N-SF11	#63-656	A\$106.30 Volume Pricing	4 In Stock
40.00	57.10	60.00	NIR I (600-1050nm)	N-BK7	#49-503	A\$106.30 Volume Pricing	3 In Stock
40.00	77.32	80.00	NIR I (600-1050nm)	N-BK7	#33-423	A\$106.30 Volume Pricing	1 In Stock
40.00	97.33	100.00	NIR I (600-1050nm)	N-BK7	#33-410	A\$106.30 Volume Pricing	4 In Stock
40.00	117.67	120.00	NIR I (600-1050nm)	N-BK7	#63-657	A\$106.30 Volume Pricing	20+ In Stock
40.00	197.35	200.00	NIR I (600-1050nm)	N-BK7	#33-417	A\$106.30 Volume Pricing	2 In Stock
50.00	45.30	50.00	NIR I (600-1050nm)	N-SF11	#49-508	A\$110.42 Volume Pricing	5 In Stock
50.00	96.65	100.00	NIR I (600-1050nm)	N-BK7	#49-509	A\$110.42 Volume Pricing	1 In Stock
50.00	147.00	150.00	NIR I (600-1050nm)	N-BK7	#49-510	A\$110.42 Volume Pricing	Contact Us
50.00	198.33	200.00	NIR I (600-1050nm)	N-BK7	#49-511	A\$110.42 Volume Pricing	2 In Stock
50.00	248.37	250.00	NIR I (600-1050nm)	N-BK7	#49-512	A\$110.42 Volume Pricing	Contact Us



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