

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

TECHSPEC® MgF₂ Coated Double-Convex (DCX) Lenses



- AR Coated to Provide <1.75% Reflectance per Surface for 400 - 700nm
- Minimize Aberrations Including Spherical and Coma
- [UV Fused Silica DCX Lenses](#) Available
- Other Coating Options Available: [Uncoated](#), [VIS 0°](#), [NIR I](#), [NIR II](#), [VIS-EXT](#), [VIS-NIR](#), and [YAG-BBAR](#)

Common Specifications

Physical & Mechanical Properties

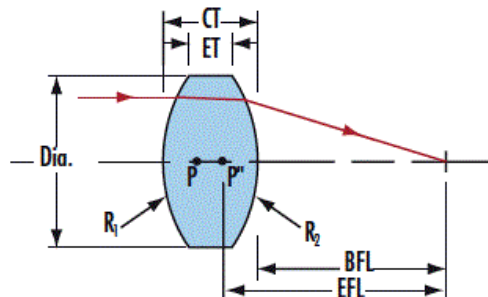
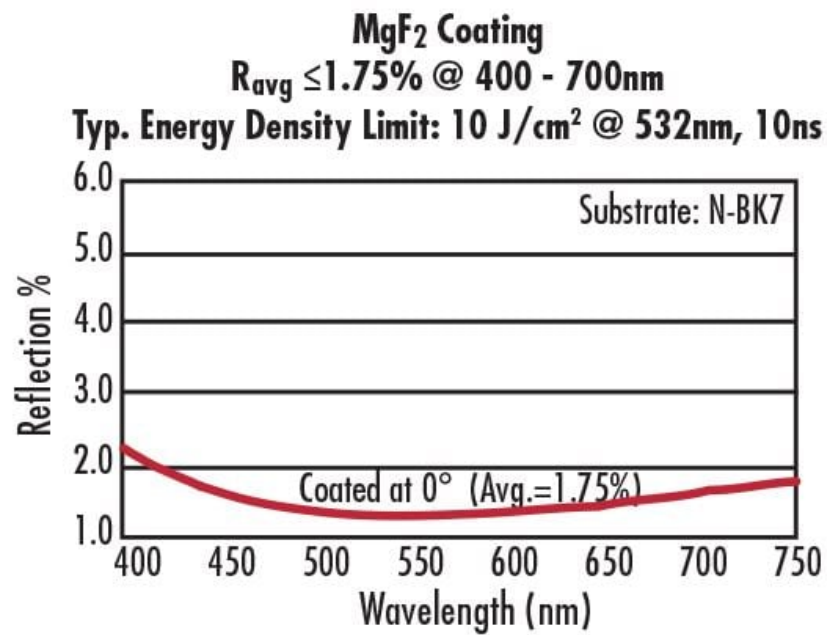
Bevel:	Protective as needed
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Optical Properties

Coating:	MgF ₂ (400-700nm)
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Coating Specification:	$R_{avg} \leq 1.75\% @ 400 - 700nm$	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	Wavelength Range (nm):	400 - 700

Technical Information



Products

Dia. (mm)	BFL (mm)	EFL (mm)	Coating	Substrate	Stock Number	Price	Buy
3.00	2.21	3.00	MgF ₂ (400-700nm)	N-SF5	#31-858	£49.90 Volume Pricing	10 In Stock
3.00	3.78	4.50	MgF ₂ (400-700nm)	N-BK7	#31-859	£49.90 Volume Pricing	2 In Stock
3.00	5.37	6.00	MgF ₂ (400-700nm)	N-BK7	#45-130	£49.90 Volume Pricing	8 In Stock
3.00	8.46	9.00	MgF ₂ (400-700nm)	N-BK7	#45-132	£49.90 Volume Pricing	14 In Stock
4.50	3.70	4.50	MgF ₂ (400-700nm)	N-LASF44	#45-177	£48.15 Volume Pricing	16 In Stock
4.50	8.16	9.00	MgF ₂ (400-700nm)	N-BK7	#45-186	£48.15 Volume Pricing	20+ In Stock
5.00	4.19	5.00	MgF ₂ (400-700nm)	N-SF5	#63-562	£40.49 Volume Pricing	5 In Stock
5.00	9.31	10.00	MgF ₂ (400-700nm)	N-BK7	#63-563	£40.49 Volume Pricing	20+ In Stock
5.00	14.33	15.00	MgF ₂ (400-700nm)	N-BK7	#63-564	£40.49 Volume Pricing	7 In Stock
5.00	19.50	20.00	MgF ₂ (400-700nm)	N-BK7	#63-565	£40.49 Volume Pricing	1 In Stock
5.00	24.50	25.00	MgF ₂ (400-700nm)	N-BK7	#63-566	£40.49 Volume Pricing	Contact Us
6.00	5.19	6.00	MgF ₂ (400-700nm)	N-SF5	#31-860	£31.52 Volume Pricing	20+ In Stock

6.00	8.22	9.00	MgF ₂ (400-700nm)	N-BK7	#31-861	£31.52 Volume Pricing	20+ In Stock
6.00	11.18	12.00	MgF ₂ (400-700nm)	N-BK7	#32-965	£31.52 Volume Pricing	Contact Us
6.00	17.26	18.00	MgF ₂ (400-700nm)	N-BK7	#32-967	£31.52 Volume Pricing	20+ In Stock
6.00	23.13	24.00	MgF ₂ (400-700nm)	N-BK7	#32-868	£31.52 Volume Pricing	20+ In Stock
6.00	29.23	30.00	MgF ₂ (400-700nm)	N-BK7	#45-134	£31.52 Volume Pricing	20+ In Stock
6.00	35.33	36.00	MgF ₂ (400-700nm)	N-BK7	#45-291	£31.52 Volume Pricing	20+ In Stock
9.00	7.90	9.00	MgF ₂ (400-700nm)	N-SF5	#32-019	£32.39 Volume Pricing	20+ In Stock
9.00	12.56	13.50	MgF ₂ (400-700nm)	N-BK7	#32-017	£32.39 Volume Pricing	20+ In Stock
9.00	17.12	18.00	MgF ₂ (400-700nm)	N-BK7	#32-969	£32.39 Volume Pricing	20+ In Stock
9.00	26.08	27.00	MgF ₂ (400-700nm)	N-BK7	#45-156	£32.39 Volume Pricing	20+ In Stock
9.00	35.15	36.00	MgF ₂ (400-700nm)	N-BK7	#45-158	£32.39 Volume Pricing	20+ In Stock
9.00	44.17	45.00	MgF ₂ (400-700nm)	N-BK7	#45-293	£32.39 Volume Pricing	20+ In Stock
10.00	8.89	10.00	MgF ₂ (400-700nm)	N-SF5	#63-567	£32.39 Volume Pricing	Contact Us
10.00	13.80	15.00	MgF ₂ (400-700nm)	N-BK7	#63-568	£32.39 Volume Pricing	2 In Stock

10.00	19.16	20.00	MgF ₂ (400-700nm)	N-BK7	#63-569	£32.39 Volume Pricing	9 In Stock
10.00	24.16	25.00	MgF ₂ (400-700nm)	N-BK7	#63-570	£32.39 Volume Pricing	20+ In Stock
10.00	29.17	30.00	MgF ₂ (400-700nm)	N-BK7	#63-571	£32.39 Volume Pricing	Contact Us
10.00	39.16	40.00	MgF ₂ (400-700nm)	N-BK7	#63-572	£32.39 Volume Pricing	Contact Us
10.00	49.17	50.00	MgF ₂ (400-700nm)	N-BK7	#63-573	£32.39 Volume Pricing	20+ In Stock
10.00	99.17	100.00	MgF ₂ (400-700nm)	N-BK7	#63-574	£32.39 Volume Pricing	Contact Us
12.00	10.79	12.00	MgF ₂ (400-700nm)	N-SF5	#32-015	£33.71 Volume Pricing	20+ In Stock
12.00	16.81	18.00	MgF ₂ (400-700nm)	N-BK7	#32-013	£32.84 Volume Pricing	20+ In Stock
12.00	22.65	24.00	MgF ₂ (400-700nm)	N-BK7	#33-389	£32.84 Volume Pricing	7 In Stock
12.00	28.75	30.00	MgF ₂ (400-700nm)	N-BK7	#45-088	£32.84 Volume Pricing	17 In Stock
12.00	34.90	36.00	MgF ₂ (400-700nm)	N-BK7	#32-870	£32.84 Volume Pricing	8 In Stock
12.00	47.09	48.00	MgF ₂ (400-700nm)	N-BK7	#45-160	£32.84 Volume Pricing	20+ In Stock
12.00	71.07	72.00	MgF ₂ (400-700nm)	N-BK7	#32-872	£32.84 Volume Pricing	20+ In Stock
15.00	13.68	15.00	MgF ₂ (400-700nm)	N-SF11	#45-100	£33.71 Volume Pricing	20+ In Stock

15.00	18.99	20.00	MgF ₂ (400-700nm)	N-SF11	#63-575	£32.84 Volume Pricing	7 In Stock
15.00	21.29	22.50	MgF ₂ (400-700nm)	N-SF11	#45-102	£32.84 Volume Pricing	Contact Us
15.00	23.82	25.00	MgF ₂ (400-700nm)	N-BK7	#63-576	£32.84 Volume Pricing	6 In Stock
15.00	28.82	30.00	MgF ₂ (400-700nm)	N-BK7	#32-706	£32.84 Volume Pricing	9 In Stock
15.00	44.00	45.00	MgF ₂ (400-700nm)	N-BK7	#63-577	£32.84 Volume Pricing	20+ In Stock
15.00	49.00	50.00	MgF ₂ (400-700nm)	N-BK7	#32-939	£32.84 Volume Pricing	5 In Stock
15.00	59.00	60.00	MgF ₂ (400-700nm)	N-BK7	#63-578	£32.84 Volume Pricing	Contact Us
18.00	16.69	18.00	MgF ₂ (400-700nm)	N-SF11	#63-579	£33.71 Volume Pricing	20+ In Stock
18.00	25.25	27.00	MgF ₂ (400-700nm)	N-BK7	#32-708	£33.71 Volume Pricing	6 In Stock
18.00	34.59	36.00	MgF ₂ (400-700nm)	N-BK7	#32-710	£33.71 Volume Pricing	20+ In Stock
20.00	18.55	20.00	MgF ₂ (400-700nm)	N-SF11	#63-582	£34.36 Volume Pricing	20+ In Stock
20.00	23.86	25.00	MgF ₂ (400-700nm)	N-SF11	#63-583	£34.36 Volume Pricing	12 In Stock
20.00	28.20	30.00	MgF ₂ (400-700nm)	N-BK7	#45-295	£34.36 Volume Pricing	17 In Stock
20.00	38.44	40.00	MgF ₂ (400-700nm)	N-BK7	#32-712	£34.36 Volume Pricing	20+ In Stock

20.00	48.84	50.00	MgF ₂ (400-700nm)	N-BK7	#63-584	£34.36 Volume Pricing	13 In Stock
20.00	58.67	60.00	MgF ₂ (400-700nm)	N-BK7	#63-585	£34.36 Volume Pricing	Contact Us
20.00	78.67	80.00	MgF ₂ (400-700nm)	N-BK7	#63-586	£34.36 Volume Pricing	Contact Us
25.00	22.47	25.00	MgF ₂ (400-700nm)	N-SF5	#32-490	£34.80 Volume Pricing	20+ In Stock
25.00	28.31	30.00	MgF ₂ (400-700nm)	N-SF5	#63-587	£34.36 Volume Pricing	11 In Stock
25.00	32.81	35.00	MgF ₂ (400-700nm)	N-BK7	#45-162	£34.36 Volume Pricing	20+ In Stock
25.00	38.21	40.00	MgF ₂ (400-700nm)	N-BK7	#45-297	£34.36 Volume Pricing	12 In Stock
25.00	48.29	50.00	MgF ₂ (400-700nm)	N-BK7	#32-625	£34.36 Volume Pricing	20+ In Stock
25.00	73.84	75.00	MgF ₂ (400-700nm)	N-BK7	#32-627	£34.36 Volume Pricing	20+ In Stock
25.00	98.95	100.00	MgF ₂ (400-700nm)	N-BK7	#32-718	£34.36 Volume Pricing	8 In Stock
25.00	123.84	125.00	MgF ₂ (400-700nm)	N-BK7	#32-874	£34.36 Volume Pricing	4 In Stock
25.00	148.88	150.00	MgF ₂ (400-700nm)	N-BK7	#32-876	£34.36 Volume Pricing	20+ In Stock
25.00	173.94	175.00	MgF ₂ (400-700nm)	N-BK7	#32-878	£34.36 Volume Pricing	1 In Stock
25.00	198.35	200.00	MgF ₂ (400-700nm)	N-BK7	#33-395	£34.36 Volume Pricing	1 In Stock

30.00	28.12	30.00	MgF ₂ (400-700nm)	N-SF11	#63-588	£46.84 Volume Pricing	20+ In Stock
30.00	47.82	50.00	MgF ₂ (400-700nm)	N-BK7	#45-164	£45.97 Volume Pricing	20+ In Stock
30.00	58.33	60.00	MgF ₂ (400-700nm)	N-BK7	#63-589	£45.97 Volume Pricing	5 In Stock
30.00	73.35	75.00	MgF ₂ (400-700nm)	N-BK7	#45-166	£45.97 Volume Pricing	10 In Stock
30.00	98.34	100.00	MgF ₂ (400-700nm)	N-BK7	#63-590	£45.97 Volume Pricing	5 In Stock
30.00	118.34	120.00	MgF ₂ (400-700nm)	N-BK7	#63-591	£45.97 Volume Pricing	14 In Stock
35.00	67.48	70.00	MgF ₂ (400-700nm)	N-BK7	#32-880	£47.71 Volume Pricing	20+ In Stock
40.00	37.54	40.00	MgF ₂ (400-700nm)	N-SF11	#63-592	£49.90 Volume Pricing	5 In Stock
40.00	57.10	60.00	MgF ₂ (400-700nm)	N-BK7	#45-168	£49.90 Volume Pricing	Contact Us
40.00	77.32	80.00	MgF ₂ (400-700nm)	N-BK7	#33-420	£49.90 Volume Pricing	3 In Stock
40.00	97.33	100.00	MgF ₂ (400-700nm)	N-BK7	#33-407	£49.90 Volume Pricing	14 In Stock
40.00	117.67	120.00	MgF ₂ (400-700nm)	N-BK7	#63-593	£49.90 Volume Pricing	2 In Stock
40.00	197.35	200.00	MgF ₂ (400-700nm)	N-BK7	#33-413	£49.90 Volume Pricing	6 In Stock

[#45-299 Clearance](#)



Clearance

Availability
is limited,
so buy
before
these
products
disappear.
Sorry, we
cannot
accept
returns.
Receive
up to 80%
off select
products.

40.00	397.35	400.00	MgF ₂ (400-700nm)	N-BK7		£17.47	20+ In Stock
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50.00	45.30	50.00	MgF ₂ (400-700nm)	N-SF11	#32-979	£52.09 Volume Pricing	20+ In Stock
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50.00	96.65	100.00	MgF ₂ (400-700nm)	N-BK7	#32-981	£52.09 Volume Pricing	20+ In Stock
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50.00	147.00	150.00	MgF ₂ (400-700nm)	N-BK7	#32-983	£52.09 Volume Pricing	20+ In Stock
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50.00	198.33	200.00	MgF ₂ (400-700nm)	N-BK7	#45-170	£52.09 Volume Pricing	4 In Stock
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50.00	248.37	250.00	MgF ₂ (400-700nm)	N-BK7	#45-172	£52.09 Volume Pricing	20+ In Stock
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