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TECHSPEC® MgF₂ Coated Double-Concave (DCV) Lenses



- AR Coated to Provide <1.75% Reflectance per Surface for 400 - 700nm
- Designed for 0° Angle of Incidence
- Various Coating Options: [Uncoated](#), [VIS-EXT](#), [VIS 0°](#), [VIS-NIR](#), [NIR I](#), and [NIR II](#)

Common Specifications

Physical & Mechanical Properties

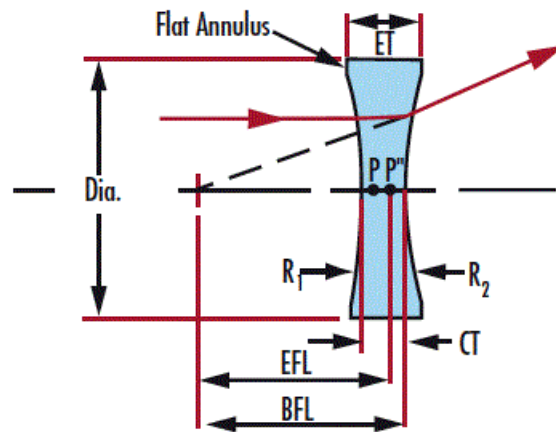
Bevel: Protective as needed

Optical Properties

Coating: MgF₂ (400-700nm)

Wavelength Range (nm):	400 - 700	Coating Specification:	$R_{avg} \leq 1.75\%$ @ 400 - 700nm
Focal Length Specification Wavelength (nm):	587.6	Focal Length Tolerance (%):	± 1
Surface Quality:	40-20	Damage Threshold, By Design:	10 J/cm ² @ 532nm, 10ns
Power (P-V) @ 632.8nm:	1.5 λ	Irregularity (P-V) @ 632.8nm:	$\lambda/4$

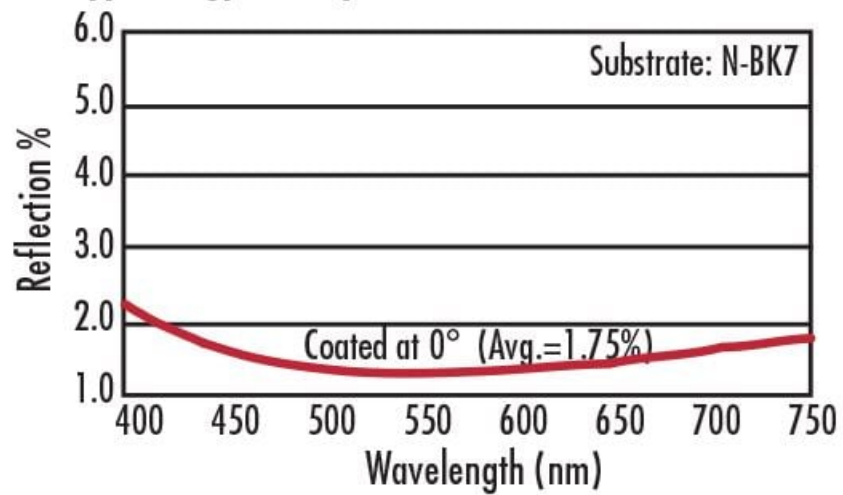
Technical Information



MgF₂ Coating

$R_{avg} \leq 1.75\% @ 400 - 700nm$

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



Products

Dia. (mm)	EFL (mm)	BFL (mm)	Coating	Substrate	Stock Number	Price	Buy
6.00	-6.00	-6.41	MgF ₂ (400-700nm)	N-SF11	#32-987	£30.64 Volume Pricing	20+ In Stock
6.00	-9.00	-9.32	MgF ₂ (400-700nm)	N-BK7	#48-935	£30.64 Volume Pricing	20+ In Stock
6.00	-12.00	-12.33	MgF ₂ (400-700nm)	N-BK7	#48-687	£30.64 Volume Pricing	20+ In Stock
9.00	-9.00	-9.61	MgF ₂ (400-700nm)	N-SF11	#48-340	£31.52 Volume Pricing	20+ In Stock
9.00	-12.00	-12.41	MgF ₂ (400-700nm)	N-SF11	#48-936	£31.52 Volume Pricing	20+ In Stock
9.00	-18.00	-18.49	MgF ₂ (400-700nm)	N-BK7	#48-688	£31.52 Volume Pricing	20+ In Stock
12.00	-12.00	-12.81	MgF ₂ (400-700nm)	N-SF11	#32-989	£33.27 Volume Pricing	20+ In Stock
12.00	-18.00	-18.65	MgF ₂ (400-700nm)	N-BK7	#48-937	£33.27 Volume Pricing	20+ In Stock
12.00	-24.00	-24.65	MgF ₂ (400-700nm)	N-BK7	#48-689	£33.27 Volume Pricing	4 In Stock
20.00	-20.00	-20.55	MgF ₂ (400-700nm)	N-SF11	#32-991	£33.27 Volume Pricing	20+ In Stock
25.00	-25.00	-25.69	MgF ₂ (400-700nm)	N-SF11	#32-993	£35.24 Volume Pricing	3 In Stock
25.00	-50.00	-50.82	MgF ₂ (400-700nm)	N-BK7	#32-997	£35.24 Volume Pricing	10 In Stock
25.00	-	-	MgF ₂ (400-700nm)	N-BK7	#32-995	£35.24 Volume Pricing	3 In Stock

