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LightPath® Mid-Wave and Long-Wave Infrared (IR) Aspheric Lenses

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- Wavelength Range of 1.8 - 12 μ m
- Variety of Coating Options
- Mounted and Unmounted Versions

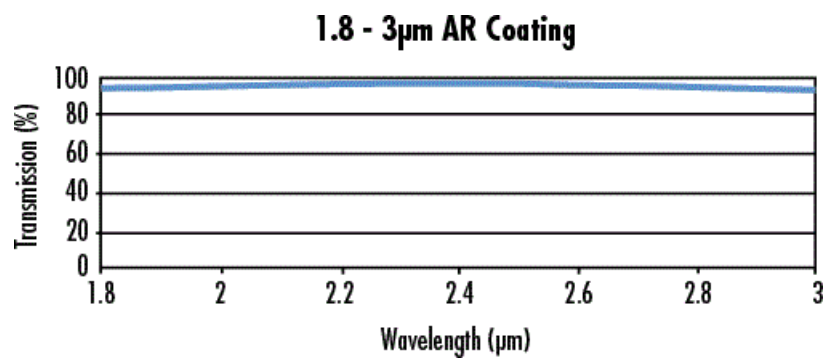
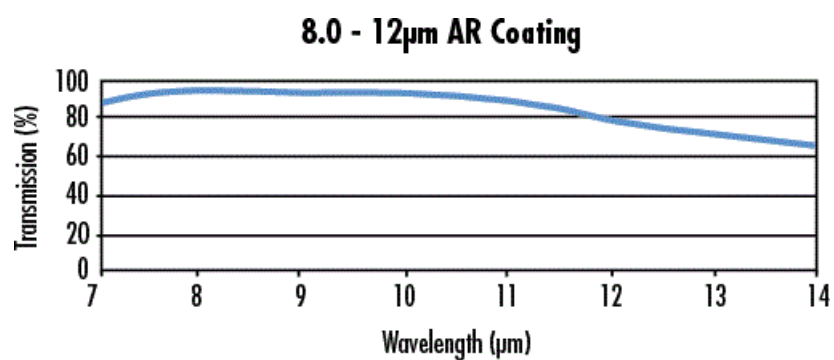
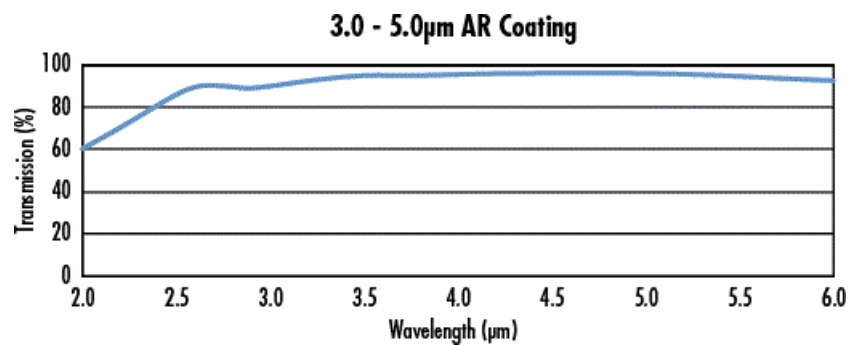
Common Specifications

Physical & Mechanical Properties

Bevel:	Protective as needed
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Optical Properties			
Substrate:	Black Diamond™ BD-2 (Ge ₂₈ Sb ₁₂ Se ₆₀)		
Surface Quality:	80-50	Index of Refraction (n _d) @ 10μm:	2.6023
Index of Refraction (n _d) @ 14μm:	2.5843	Index of Refraction (n _d) @ 4μm:	2.6210
Index of Refraction (n _d) @ 5μm:	2.6173	Conjugate Distance:	Infinite
Material Properties			
Density (g/cm ³):	4.68	Thermo-optic coefficient dn/dT:	70 x 10 ⁻⁶ /°C from -40° to +80°C (5 - 14 μm)
Transformation Temperature (°C):	285.00		

Technical Information



Products

Dia. (mm)	EFL (mm)	NA	Coating	Stock Number	Price	Buy
6.50	4.00	0.56	BBAR (1800-3000nm)	#66-560	£327.44 Volume Pricing	9 In Stock
6.50	4.00	0.56	BBAR (3000-5000nm)	#66-561	£327.44 Volume Pricing	Contact Us
8.00	5.95	0.56	BBAR (3000-5000nm)	#87-178	£372.96 Volume Pricing	17 In Stock
3.50	1.50	0.72	BBAR (1800-3000nm)	#83-717	£327.44 Volume Pricing	15 In Stock
3.50	1.50	0.72	BBAR (3000-5000nm)	#83-718	£327.44 Volume Pricing	17 In Stock
4.50	1.47	0.83	BBAR (8000-12000nm)	#88-073	£327.44 Volume Pricing	3 In Stock
#66-564 Clearance						
 Clearance Availability is limited, so buy before these products disappear. Sorry, we cannot accept returns. Receive up to 80% off select products.						
5.50	1.87	0.85	BBAR (1800-3000nm)		£184.69	1 In Stock
5.50	1.87	0.85	BBAR (8000-12000nm)	#66-566	£327.44 Volume Pricing	20+ In Stock
6.50	4.00	0.56	BBAR (3000-5000nm)	#66-569	£327.44 Volume Pricing	20+ In Stock

[#88-080 Clearance](#)



Clearance

9.25	3.00	0.71	BBAR (1800-3000nm)	Availability is limited, so buy before these products disappear. Sorry, we cannot accept returns. Receive up to 80% off select products.	£205.70	3 In Stock
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[#83-721 Clearance](#)



Clearance

6.24	1.50	0.72	BBAR (1800-3000nm)	Availability is limited, so buy before these products disappear. Sorry, we cannot accept returns. Receive up to 80% off select products.	£175.06	1 In Stock
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[#88-077 Clearance](#)



Clearance

8.24	1.47	0.83	BBAR (1800-3000nm)	Availability is limited, so buy before these products disappear. Sorry, we cannot accept returns. Receive up to 80% off select products.	£175.06	3 In Stock
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[#88-079 Clearance](#)



Clearance

8.24	1.47	0.83	BBAR (8000- 12000nm)	Availability is limited, so buy before these products disappear. Sorry, we cannot accept returns. Receive up to 80% off select products.	£150.54	20+ In Stock
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[#66-572 Clearance](#)



Clearance

5.50	1.87	0.85	BBAR (1800- 3000nm)	Availability is limited, so buy before these products disappear. Sorry, we cannot accept returns. Receive up to 80% off select products.	£205.70	2 In Stock
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