

OVERVIEW

PLASTIC COLLIMATING LENSES



	CAX183		CAX100	CAY033/40
VIAOPTIC Part No	099-099-001-002		099-099-001-003	099-099-001-004
Material	PC		PC	PMMA
Lenstype	Mono-aspherical		Mono-aspherical	Bi-aspherical
Outer Diameter D [mm]	Ø 6.28		Ø 6.28	Ø 4.00
Thickness lens h [mm]	2.44		2.44	3.00
N.A.	0.12		0.20	0.38
Clear Aperture Ca [mm]	4.3		4.1	2.5
Wavelength [nm]	670	785	670	670
Focal Length [mm]	18.15	18.33	10.00	3.30
Back Focal Length BFL [mm]	17.52	17.69	9.21	1.99
Free Working Distance FWD	16.29	16.46	8.48	1.84
RMS Wavefront [mλ] on axis	30		80	40
RMS Wavefront [mλ] total	35		90	65
Field Radius [mm]	0.30		0.20	0.05
Storage Temperature [°C]	-25 to 100		-25 to 75	-25 to 70
Operating Temperature [°C]	-10 to 75		-10 to 75	5 to 65
Delivery Time	Goods are available at short notice.		Goods are available at short notice.	Goods are available at short notice.

Specifications subject to change without notice.

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PLASTIC COLLIMATING LENSES



	CAY046/55		CDW042/52	CAW100
VIAOPTIC Part No	099-099-001-007		099-099-001-108	099-099-001-009
Material	PMMA		COP	COP
Lenstype	Bi-aspherical		Mono-aspherical	Spherical-aspherical
Outer Diameter D [mm]	Ø 5.50		Ø 5.20	Ø 5.20
Thickness lens h [mm]	3.05		3.00	2.52
N.A.	0.35		0.25	0.20
Clear Aperture Ca [mm]	3.4		2.1	3.4
Wavelength [nm]	670	785	670	785
Focal Length [mm]	4.60	4.62	4.24	10.00
Back Focal Length BFL [mm]	3.18	3.20	3.57	8.59
Free Working Distance FWD	2.98	3.00	3.08	8.49
RMS Wavefront [mλ] on axis	40		50	50
RMS Wavefront [mλ] total	–		–	–
Field Radius [mm]	0.10		0.10	0.15
Storage Temperature [°C]	-25 to 70		< 90	< 90
Operating Temperature [°C]	5 to 65		-20 to 80	-20 to 80
Delivery Time	Goods are available at short notice.		Goods are available at short notice.	Goods are available at short notice.

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OVERVIEW

PLASTIC COLLIMATING LENSES



	CAY046		CAW060	CAS183	
VIAOPTIC Part No	099-099-001-010		099-099-001-012	099-099-001-013	
Material	PMMA		COP	SAN	
Lenstype	Bi-aspherical		Bi-aspherical	Mono-aspherical	
Outer Diameter D [mm]	Ø 7.40		Ø 5.00	Ø 6.28	
Thickness lens h [mm]	3.05		2.30	2.44	
N.A.	0.40		0.22	0.12	
Clear Aperture Ca [mm]	3.7		2.2	4.3	
Wavelength [nm]	670	785	655	670	785
Focal Length [mm]	4.60	4.62	6.00	18.70	18.86
Back Focal Length BFL [mm]	3.18	3.20	4.82	18.06	18.22
Free Working Distance FWD	3.08	3.10	4.67	16.83	16.99
RMS Wavefront [mλ] on axis	40		30	30	
RMS Wavefront [mλ] total	-		-	-	
Field Radius [mm]	0.10		-	0.3	
Storage Temperature [°C]	-25 to 70		< 90	-25 to 70	
Operating Temperature [°C]	5 to 65		-20 to 80	0 to 60	
Delivery Time	Goods are available at short notice.		Minimum order quantity. Delivery time on request.	Minimum order quantity. Delivery time on request.	

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