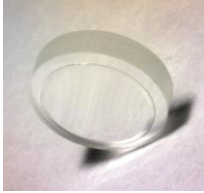
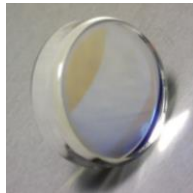
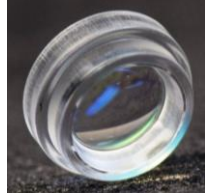
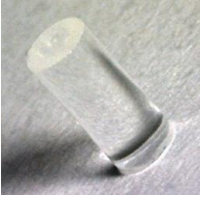
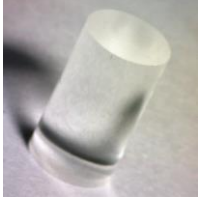
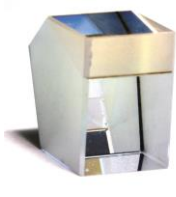


Lens						
Specifications	Model Number	Anteryon AC405	Anteryon AC256	AC138	AC100	CAY046
						
Lens Material		Hybrid aspherical polymer on glass lens	Hybrid aspherical polymer on glass lens	BK7	NHG,D-ZK2N	Acrylic
Lens Diameter		Ø8.0 mm	Ø5.5 mm	Ø6.0 mm	Ø6.35 mm	Ø7.4 mm
Center Diameter		2.5 mm	3.7 mm	1.5 mm	3.0 ±0.02mm	
Edge Thickness		1.87 mm	2.41 mm	0.89 mm	2.16 mm	3.05 mm
Lens Length						
Dimension						
Design Wavelength		650 nm	650 nm	532 nm	520 nm	
Clear Aperture (CA)		Ø6.0 mm	Ø4.4 mm	Ø5.0mm	Ø5.5 mm	Ø3.7 mm
Numerical Aperture (NA)		0.13	0.51	0.17	0.275	0.40
Effective Focal Length (EFL)		23 mm (with BK7 t=0.25mm cover glass)	4.34 mm (with BK7 t=0.25mm cover glass)	14.85mm	10.0mm	4.60 mm (with BK7 t=0.25mm cover glass)
Back Focal Length (BFL)		21.45 mm	2.33 mm	13.8 mm	8.2 mm (with BK7 t=0.25mm cover glass)	3.08 mm
Axis Wave Front Error (RMS)		0.03 λ	0.05 λ		0.05 λ,@632.8mm	0.040 λ
Field Radius		0.5 mm	0.09 mm			0.1 mm
Transmittance (%)		≥97%	≥97%	≥97%	500-850nm, T≥97%	400~900nm, >95%
Surface Quality						
Surface Flatness						
Laser Line Emitting Angle						
Splitter Beam Angle						
Beam Angular Deviation						
Beam Splitter Ratio						
Storage Temperature		-40 to 85°C	-40 to 85°C	-40 to 85°C	-40 to 85°C	-25 to 70°C
Operating Temperature			-30 to 85°C	-30 to 85°C	-30 to 85°C	5 to 65°C

CAY049	CAY087	RL24	RL413	RL58	PL1460
					
PMMA	PMMA	BK7	BK7	BK7	K9
Ø5 mm	Ø7 mm	Ø2.0 mm	Ø4.0 mm	Ø5.0 mm	
2.3 mm	3.3±0.10 mm				
		4.5 mm	13.0 mm	8.5 mm	
					0.5610" x 0.5606" x 0.3937" (14.25x14.24x10 mm)
650 nm	670nm				635 nm (It means that this works for red laser only)
Ø3 mm	Ø4.7 mm				
0.27	0.268				
4.96 mm	8.742 mm				
4.81 mm	7.2 mm				
	0.05 λ				
	0.1 mm				
90%	>91%				
		40-20	40-20	40-20	40-20
					λ/2
		>150°	>90°	>60°	
					90°
					1'
					50% / 50%
-25 to 70°C	-25 to 70°C	-40 to 85°C	-40 to 85°C	-40 to 85°C	
-5 to 65°C	5 to 50°C	-30 to 85°C	-30 to 85°C	-30 to 85°C	