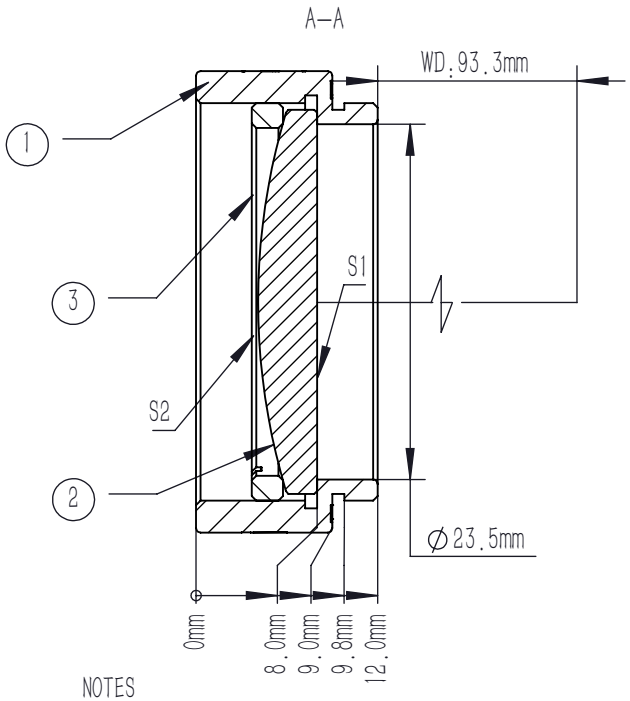

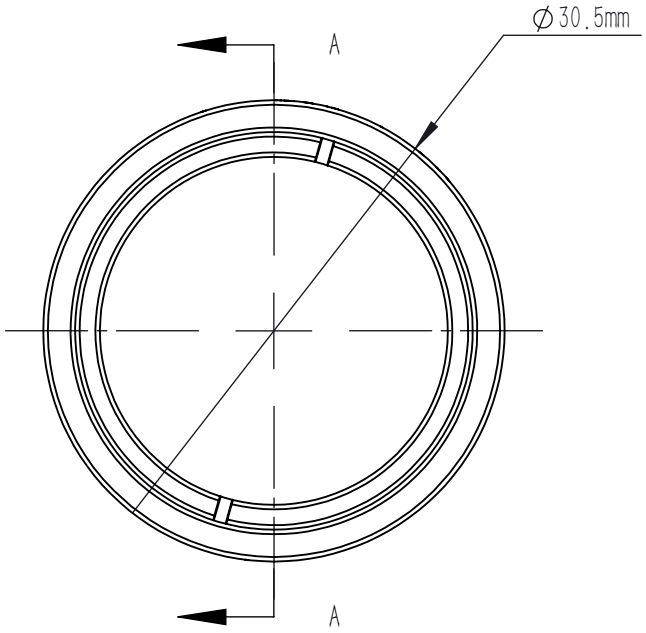

NOTES

1. DESIGN WAVELENGTH: 587.6 nm
2. OPERATION WAVELENGTH: 2.0 μm–5.0 μm
3. DIAMETER TOLERANCE: +0.0/–0.1 mm
4. THICKNESS TOLERANCE: ±0.1 mm
5. FOCAL LENGTH: f=100.0 mm±1%
6. BACK FOCAL LENGTH(REF): bf=97.3 mm
7. CLEAR APERTURE: >90%CA
8. SURFACE QUALITY(S/D)(S1.S2): 40/20
9. SURFACE FLATNESS(S1): λ/2 @ 632.8 nm
10. SURFACE POWER(S2): 3λ/2 @ 632.8 nm
11. SURFACE IRREGULARITY(S2): λ/4 @ 632.8 nm
12. CENTRATION: <3 arcmin
13. CHAMFER: <0.2 mm,45°
14. COATING(S1,S2): Ravg < 1.25%, Rabs < 3.0%
    Tavg >94%, Tabs >90%@ 2000 nm –5000 nm

	PART DESCRIPTION	MATERIAL
1	SM1–8A	ANODIZED ALUMINIUM
2	CX70613–E1	CaF2
3	SM1R	ANODIZED ALUMINIUM

DRAWING PROJECTION			LBTEK			
	NAME	DATE	MCX70613–E1			
DRAWN	BSHU	Aug./12th/24	∅25.4 mm,f=100 mm PLANO CONVEX LENS			
APPROVAL	WCHENG	Aug./12th/24	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			CaF2	19.40g	2:1	A