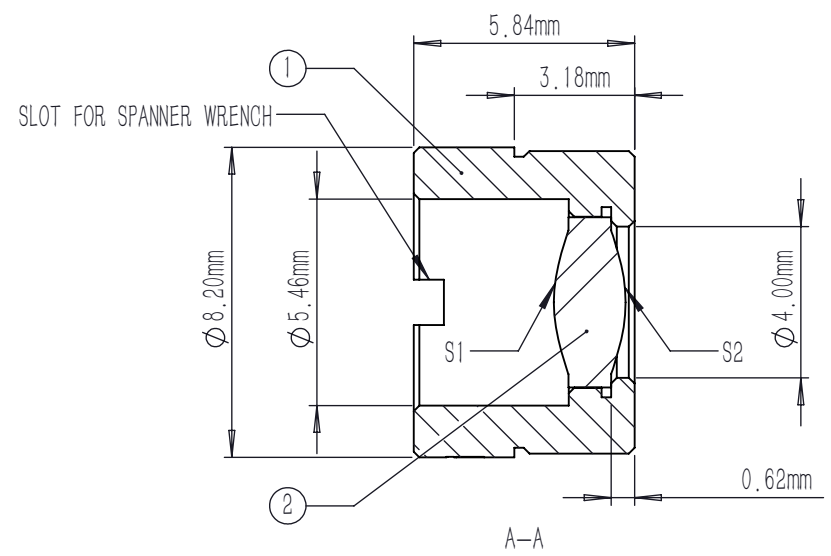
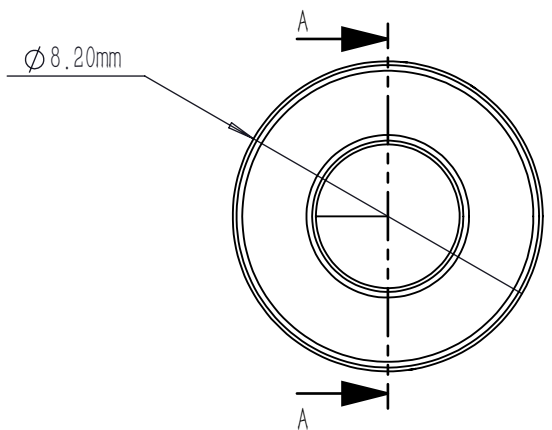
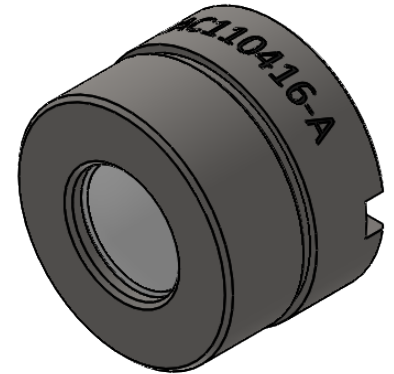


	R	k	A4	A6	A8	A10	A12
S1	3.879161	-0.431729	-8.168899E-03	-1.995690E-04	2.200933E-04	-3.982084E-05	2.656612E-06
S2	-3.879161	-0.431729	8.168899E-03	1.995690E-04	-2.200933E-04	3.982084E-05	2.656612E-06

$$z = \frac{Y^2}{R(1 + \sqrt{1 - (1+k)Y^2/R^2})} + A_4Y^4 + A_6Y^6 + A_8Y^8 + A_{10}Y^{10} + A_{12}Y^{12}$$



NOTES:

1. MATERIAL: D-ZLAF52LA
2. DESIGN WAVELENGTH: 830 nm
3. WORKING WAVELENGTH: 400 nm-700 nm
4. CLEAR APERTURE: (S1) ϕ 3.60 mm, (S2) ϕ 3.60 mm
5. NUMERICAL APERTURE: 0.6
6. FOCAL LENGTH: 2.7 mm
7. FOCAL LENGTH TOLERANCE: $\pm 1.0\%$
8. BACK FOCAL LENGTH(REF): $bf=2.1$ mm
9. DIAMETER TOLERANCE: ± 0.015 mm
10. THICKNESS TOLERANCE: ± 0.04 mm
11. CHAMFER: 0.2 mm, 45°
12. SURFACE QUALITY: 40-20 SCRATCH-DIG
13. CENTRATION: <30 arcmin
14. MAXIMUM TEMPERATURE: 250 °C(482 °F)
15. AR COATING(S1,S2): $R_{avg} < 0.5\%$ @400-700 nm

	PART DESCRIPTION	MATERIAL
①	LENS MOUNT	303 STAINLESS STEEL
②	AC110416-A	D-ZLAF52LA

DRAWING PROJECTION				LBTEK			
	NAME	DATE	MAC110416-A				
DRAWN	SHAN	APR./30th/24	ASPHERIC CONDENSER LENS				
APPROVAL	WCHENG	APR./30th/24	MATERIAL	WEIGHT	SCALE	REV	
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			D-ZLAF52LA	1.47g	5:1	A	