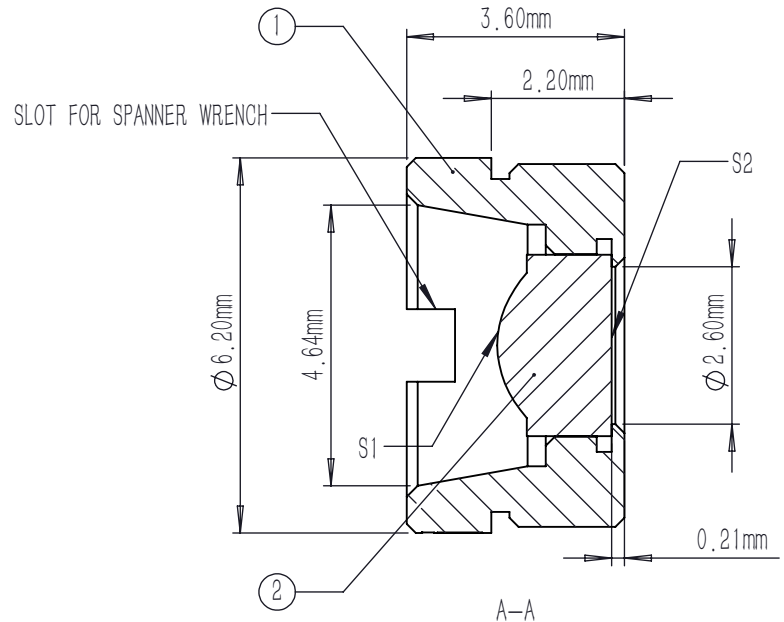
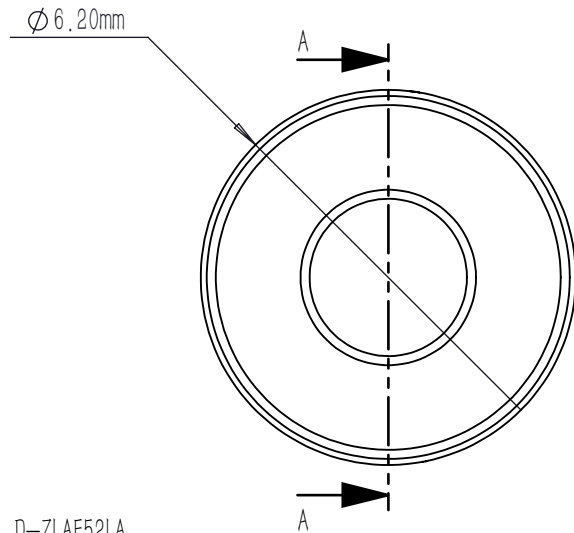


	R	k	A4	A6	A8	A10	A12
S1	1.586014	-2.062694	4.938263E-02	-6.116114E-03	1.717442E-03	-4.643557E-04	5.410885E-05
S2	PLANO	-	-	-	-	-	-

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



NOTES:

1. MATERIAL: D-ZLAF52LA
2. DESIGN WAVELENGTH: 780.0 nm
3. WORKING WAVELENGTH: 1100 nm-1700 nm
4. CLEAR APERTURE: (S1)  $\phi$ 2.00 mm, (S2)  $\phi$ 1.09 mm
5. NUMERICAL APERTURE: 0.5
6. FOCAL LENGTH: 2.0 mm
7. FOCAL LENGTH TOLERANCE:  $\pm 1.0\%$
8. BACK FOCAL LENGTH(REF):  $bf=1.0$  mm
9. DIAMETER TOLERANCE:  $\pm 0.015$  mm
10. THICKNESS TOLERANCE:  $\pm 0.03$  mm
11. CHAMFER: 0.2 mm,  $45^\circ$
12. SURFACE QUALITY: 40-20 SCRATCH-DIG
13. CENTRATION:  $<30$  arcmin
14. MAXIMUM TEMPERATURE: 250 °C(482 °F)
15. AR COATING(S1,S2):  $R_{avg} < 0.5\%$  @1100-1700 nm

	PART DESCRIPTION	MATERIAL
①	LENS MOUNT	303 STAINLESS STEEL
②	AC110314-C	D-ZLAF52LA

DRAWING PROJECTION			<b>LBTEK</b>			
NAME	DATE					
			MAC110314-C			
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	0.51g	8:1	A