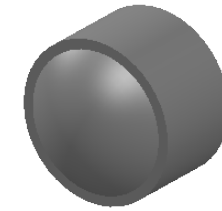


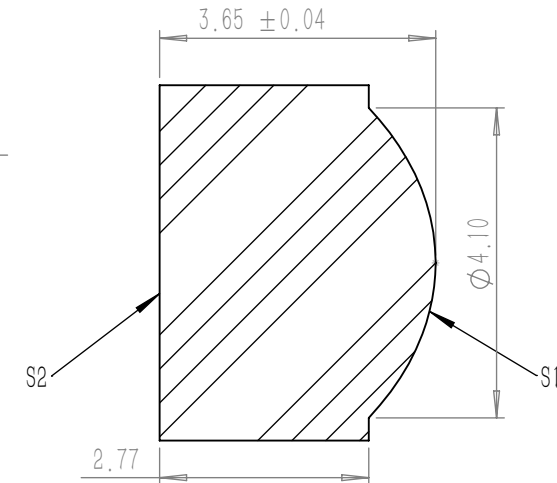
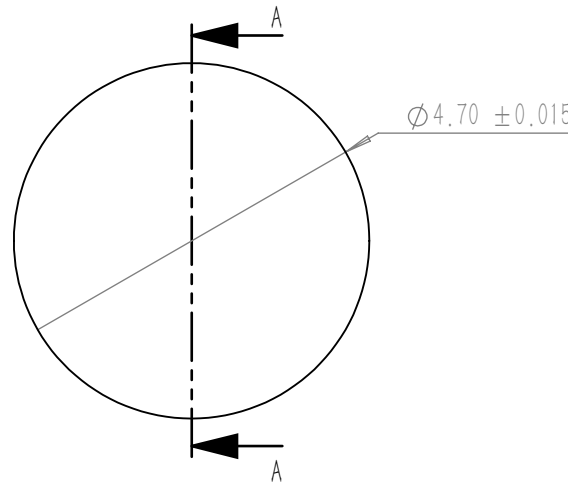
ASPHERIC COEFFICIENTS

	R	k	A4	A6	A8
S1	2.591249	-0.902951	2.903858E-03	1.043666E-04	3.714989E-06
S2	PLANO	-	-	-	-



ASPHERIC LENS EQUATION

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



剖面 A-A

NOTES

1. MATERIAL: D-ZK3
2. DESIGN WAVELENGTH: 980.0 nm
3. WORKING WAVELENGTH: 400 nm-700 nm
4. CLEAR APERTURE: (S1)  $\phi 3.70$  mm, (S2)  $\phi 2.05$  mm
5. NUMERICAL APERTURE: 0.4
6. FOCAL LENGTH: 4.5 mm
7. FOCAL LENGTH TOLERANCE:  $\pm 1.0\%$
8. BACK FOCAL LENGTH(REF): bf=2.2 mm
9. DIAMETER TOLERANCE:  $\pm 0.015$  mm
10. THICKNESS TOLERANCE:  $\pm 0.04$  mm
11. CHAMFER: 0.2 mm, 45°
12. SURFACE QUALITY: 40-20 SCRATCH-DIG
13. CENTRATION: <math><30</math> arcmin
14. MAXIMUM TEMPERATURE: 250°C(482°F)
15. AR COATING: Ravg<math><0.5\%</math>@400 nm-700 nm, 0°AOI

DRAWING PROJECTION			<b>LBTEK</b>			
	NAME	DATE	AC90518-A			
DRAWN	BSHU	Aug./1st/24	$\phi 4.7$ mm, F=4.5 mm ASPHERIC CONDENSER LENS AR COATING 400-700 nm			
APPROVAL	WCHENG	Aug./1st/24	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			D-ZK3	0.15g	10:1	A