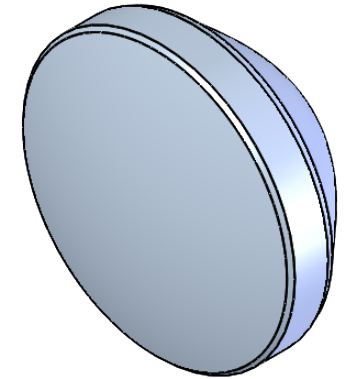
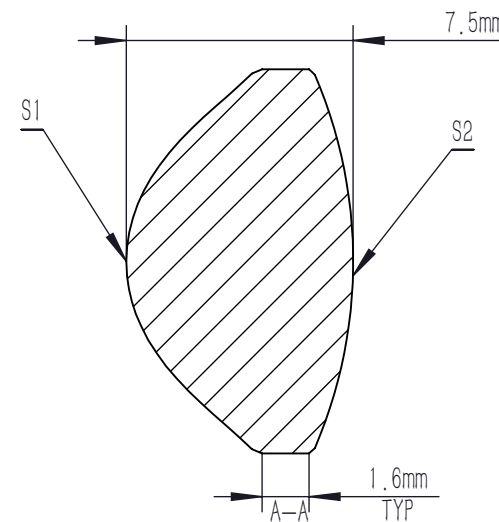
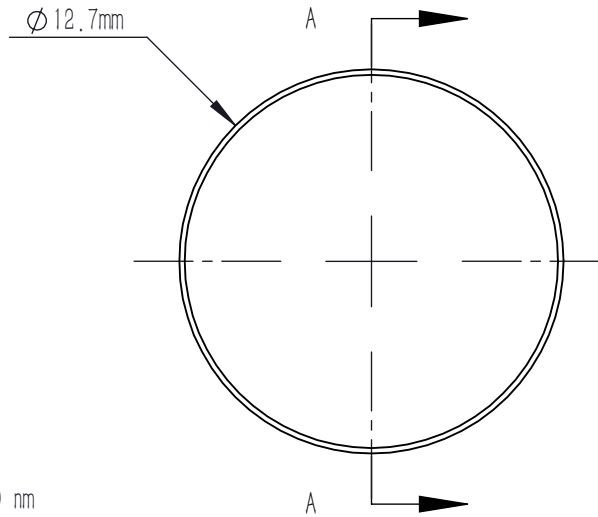


ASPHERIC COEFFICIENTS

	R	k	A4	A6	A8	A10	A12
S1	4.753124	-1.205071	5.3324183E-04	1.1162887E-05	-3.745566E-07	-7.6342017E-09	1.36022E-010
S2	-15.6494	-	-	-	-	-	-

ASPHERIC LENS EQUATION



NOTES

1. MATERIAL: B270
2. DESIGN WAVELENGTH: 633.0 nm
3. WORKING WAVELENGTH: 633.0 ± 20 nm
4. NUMERICAL APERTURE: 0.78
5. FOCAL LENGTH: 8.0 mm
6. FOCAL LENGTH TOLERANCE: ± 8%
7. BACK FOCAL LENGTH(REF): bf=3.7 mm
8. CLEAR APERTURE: >90%CA
9. DIAMETER TOLERANCE: +0.0/-0.5 mm
10. THICKNESS TOLERANCE: ± 0.3 mm
11. CHAMFER: < 0.2 mm, 45°
12. SURFACE QUALITY: 80-50 SCRATCH-DIG
13. CENTRATION: < 30 arcmin
14. MAXIMUM TEMPERATURE: 250 °C(482 °F)
15. AR COATING: Ravg < 2.0% @ 633.0 ± 20 nm, 0° - 55° AOI

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

DRAWING PROJECTION			LBTEK			
		NAME	DATE	AC4301-633-SP		
DRAWN	BSHU	Aug./1st/24	Ø 12.7 mm, F=8.0 mm ASPHERIC CONDENSER LENS AR COATING 633 nm			
APPROVAL	WCHENG	Aug./1st/24	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			B270	1.42g	5:1	A