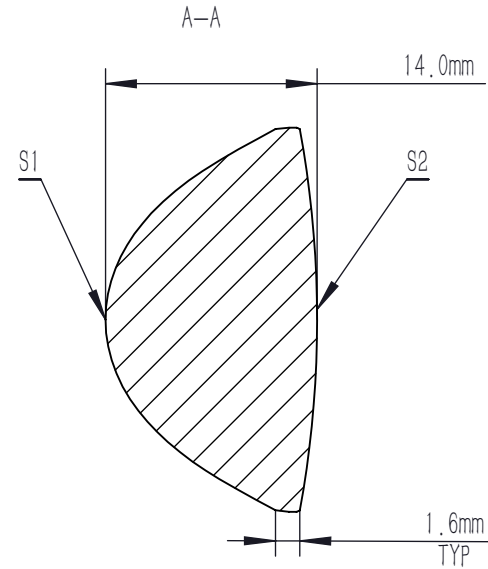
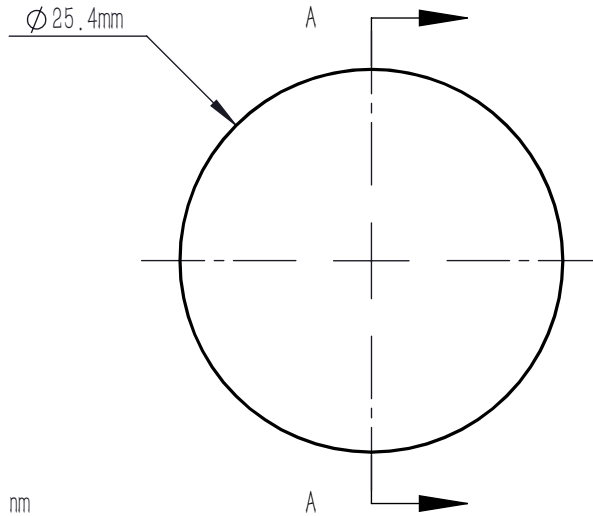


ASPHERIC COEFFICIENTS

	R	k	A4	A6	A8	A10
S1	8.818197	-0.9991715	8.6821674E-05	6.3760123E-08	2.407308E-09	-1.7189021E-11
S2	-69.99948	-	-	-	-	

ASPHERIC LENS EQUATION



NOTES

- MATERIAL: B270
- DESIGN WAVELENGTH: 633.0 nm
- WORKING WAVELENGTH: 380 nm-2100 nm
- NUMERICAL APERTURE: 0.79
- F/#: 0.70
- FOCAL LENGTH: 16.0 mm
- FOCAL LENGTH TOLERANCE: ±8%
- BACK FOCAL LENGTH(REF): bf=7.3 mm
- CLEAR APERTURE: >90%CA
- DIAMETER TOLERANCE: +0.0/-0.5 mm
- THICKNESS TOLERANCE: ±0.3 mm
- CHAMFER: 0.2 mm, 45°
- SURFACE QUALITY: 80-50 SCRATCH-DIG
- CENTRATION: <30 arcmin
- MAXIMUM TEMPERATURE: 250 °C(482 °F)
- COATING: WHITOUT AR COATING

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

DRAWING PROJECTION			 cruiss-optics.com			
	NAME	DATE				
DRAWN	WENSHUO	2024/08/28	Ø 25.4 mm, F=16.0 mm, NA=0.79 ASPHERIC CONDENSER LENS UNCOATED			
APPROVAL	SHAWN	2024/08/28	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			B270		2:1	A