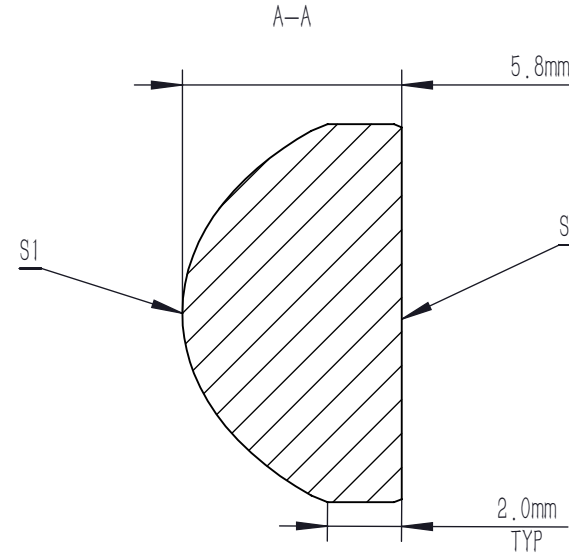
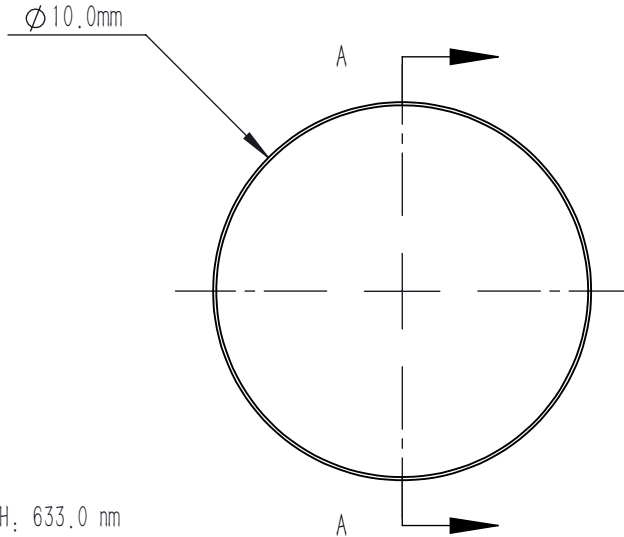


ASPHERIC COEFFICIENTS

	R	k	A4
S1	4.185	-0.6027	2.21E-4
S2	PLANO	-	-

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

ASPHERIC LENS EQUATION



NOTES

- MATERIAL: B270
- DESIGN WAVELENGTH: 633.0 nm
- WORKING WAVELENGTH: 380 nm-2100 nm
- NUMERICAL APERTURE: 0.61
- F/#: 0.89
- FOCAL LENGTH: 8.0 mm
- FOCAL LENGTH TOLERANCE: ±8%
- BACK FOCAL LENGTH(REF): bf=4.0 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

DRAWING PROJECTION						
			ASL1008			
DRAWN	WENSHUO	2024/08/28	∅ 10.0 mm, F=8.0 mm, NA=0.61 ASPHERIC CONDENSER LENS UNCOATED			
APPROVAL	SHAWN	2024/08/28	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			B270		5:1	A