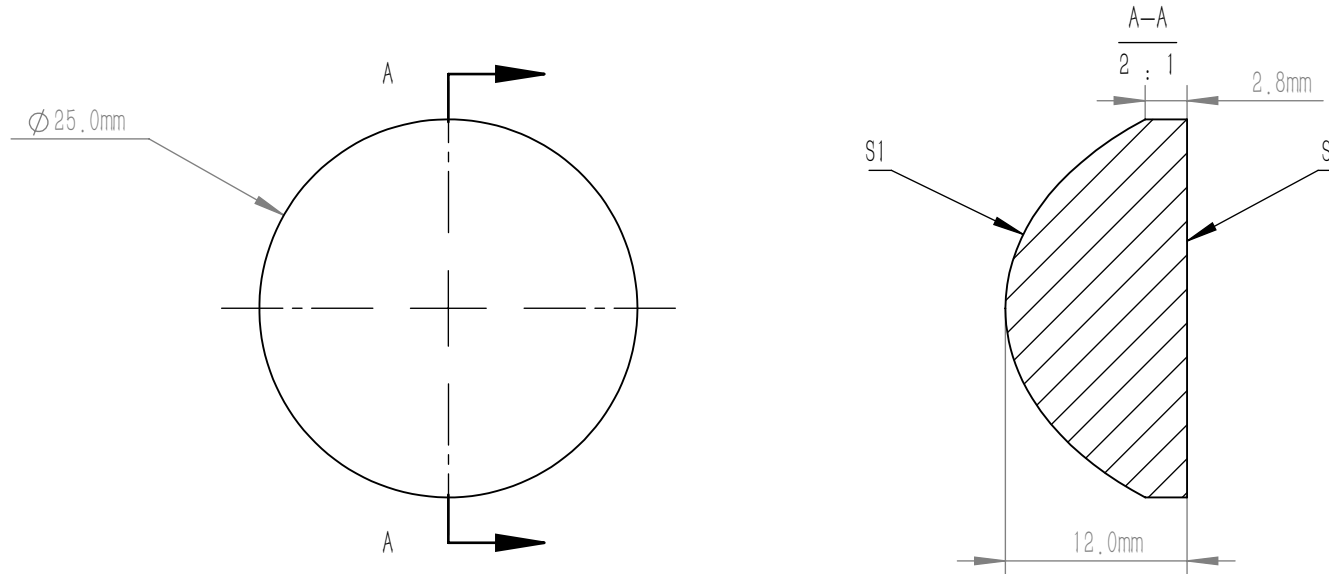


ASPHERIC LENS EQUATION

	R	k	A4
S1	10.462	-0.6265	1.5E-05
S2	INFINITE	-	-

$$z = \frac{Y^2}{R \left(1 + \sqrt{1 - (1 + k)Y^2 / R^2} \right)} + A_4 Y^4$$

ASPHERIC COEFFICIENTS



NOTES

- DESIGN WAVELENGTH: 633.0 nm
- CLEAR APERTURE: >90%CA
- OPERATION WAVELENGTH: 350 nm-700 nm
- NUMERICAL APERTURE: 0.60
- F/#: 0.89
- DIAMETER TOLERANCE: +0.0/-0.5 mm
- THICKNESS TOLERANCE: ±0.3 mm
- FOCAL LENGTH: 20.1 mm±8%
- BACK FOCAL LENGTH(REF): 12.0 mm
- SURFACE QUALITY(S1): 80/50 (S/D)
- FROSTED NUMBER(S2): 1500MESH
- CENTRATION: <30 arcmin
- CHAMFER: <0.2 mm, 45°
- COATING(S1): AR COATING Ravg<0.5%@350 nm-700 nm

DRAWING PROJECTION			LBTEK			
	NAME	DATE	AC4606-DG1500-A			
DRAWN	BSHU	Aug./1st/24	Ø 25.0 mm, F=20.1 mm, NA=0.6 ASPHERIC CONDENSER LENS AR COATING 350-700 nm			
APPROVAL	WCHENG	Aug./1st/24	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			B270	9.25g	5:1	A