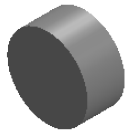
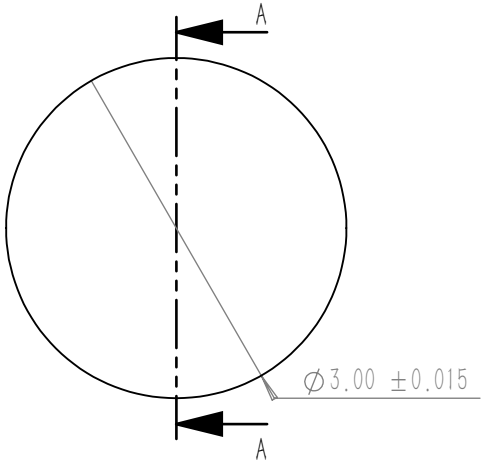
ASPHERIC COEFFICIENTS

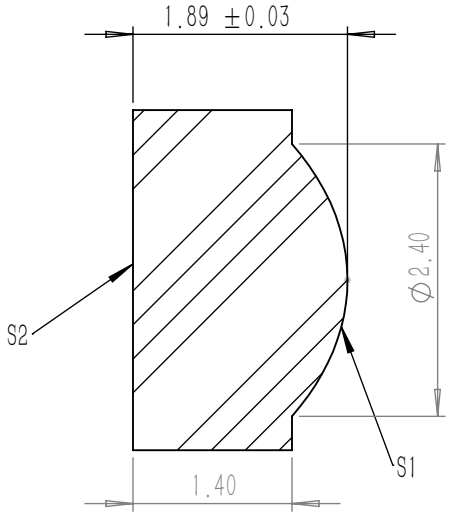
	R	k	A4	A6	A8	A10	A12
S1	1.586014	−2.062694	4.938263E−02	−6.116114E−03	1.717442E−03	−4.643557E−04	5.410885E−05
S2	PLANO	−	−	−	−	−	−



ASPHERIC LENS EQUATION

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





剖面 A−A

NOTES

1. MATERIAL: D−ZLAF52LA
2. DESIGN WAVELENGTH: 780.0 nm
3. WORKING WAVELENGTH: 400 nm−700 nm
4. CLEAR APERTURE: (S1)∅2.00 mm, (S2)∅1.09 mm
5. NUMERICAL APERTURE: 0.5
6. FOCAL LENGTH: 2.0 mm
7. FOCAL LENGTH TOLERANCE: ±1.0%
8. BACK FOCAL LENGTH(REF): bf=1.0 mm
9. DIAMETER TOLERANCE: ±0.015 mm
10. THICKNESS TOLERANCE: ±0.03 mm
11. CHAMFER: 0.2 mm,45°
12. SURFACE QUALITY: 40−20 SCRATCH−DIG
13. WAVE FRONT ERROR: <0.07λ RMS@632.8 nm
14. CENTRATION: <30 arcmin
15. MAXIMUM TEMPERATURE:250°C(482°F)
16. AR COATING: Ravg<0.5%@400 nm−700 nm, 0°AOI

DRAWING PROJECTION			LBTEK			
	NAME	DATE	AC110314−A			
DRAWN	BSHU	Aug./1st/24	∅3.0 mm,F=2.0 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−ZLaF52LA	0.05g	15:1	A