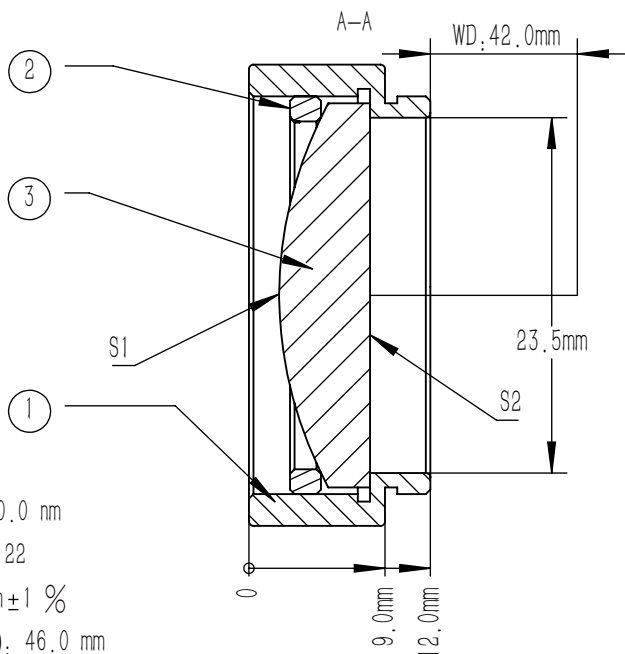


	R	K	A4	A6	A8
S1	25.56	-1.01	3.2703958e-6	7.7205335e-10	1.6304727e-13
S2	∞	-	-	-	-

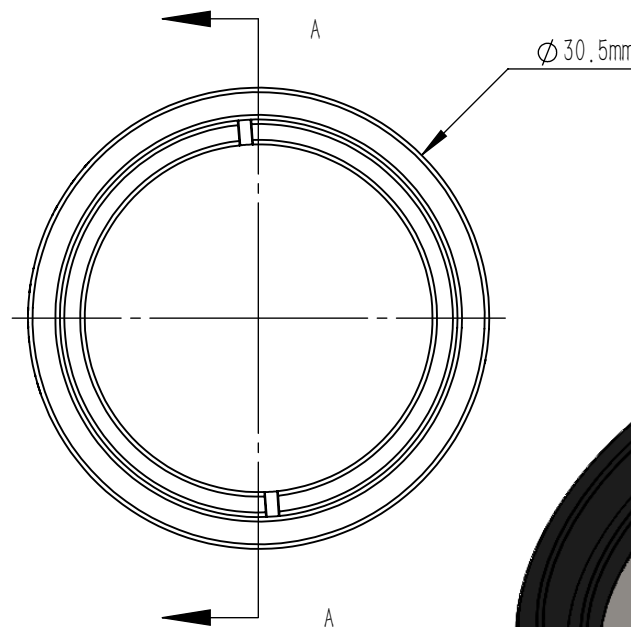
$$z = \frac{Y^2}{R(1 + \sqrt{1 - (1 + k)Y^2/R^2})} + A_4Y^4 + A_6Y^6 + A_8Y^8$$



NOTES:

1. DESIGN WAVELENGTH: 780.0 nm
2. NUMERICAL APERTURE: 0.22
3. FOCAL LENGTH: 50.0 mm ± 1 %
4. BACK FOCAL LENGTH(REF): 46.0 mm
5. CLEAR APERTURE: >90 %CA
6. DIAMETER TOLERANCE: +0.0/-0.1 mm
7. THICKNESS TOLERANCE: ±0.1 mm
8. CHAMFER: 0.2 mm, 45 °
9. WAVEFRONT ERROR(RMS): <0.5 μm
10. SAG DEVIATION(POWER, S1): ±7.5 μm
11. SURFACE IRREGULARITY(S1): <3 FRINGES
12. SURFACE FLATNESS(S2): λ/4
13. SURFACE QUALITY(S/D): 60/40
14. CENTRATION: <3 arcmin
15. DAMAGE THRESHOLD: 9 J/cm²@532 nm, 10 ns, 10 HZ, Ø0.504 mm
16. AR COATING(S1, S2): Ravg <0.5 %@700-1100 nm, 6° AOI

	Part Description	Material
①	MAC1610-B-EVA	ANODIZED ALUMINUM
②	SM1R	ANODIZED ALUMINUM
③	AC1610-B	N-BK7



DRAWING PROJECTION			<b>LBTEK</b>			
NAME	DATE	MAC1610-B				
DRAWN	SHAN	APR./19th/24	ASPHERIC LENS			
APPROVAL	WCHENG	APR./19th/24	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			N-BK7	35.27 g	2:1	B