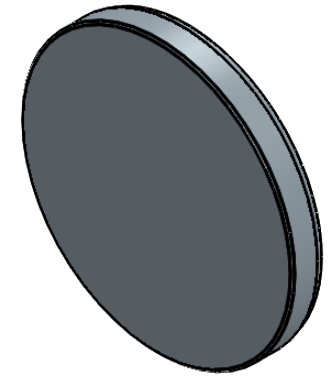
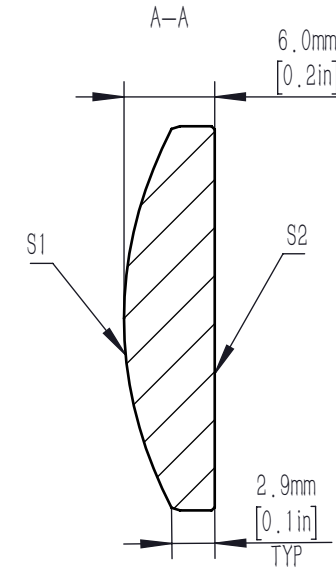
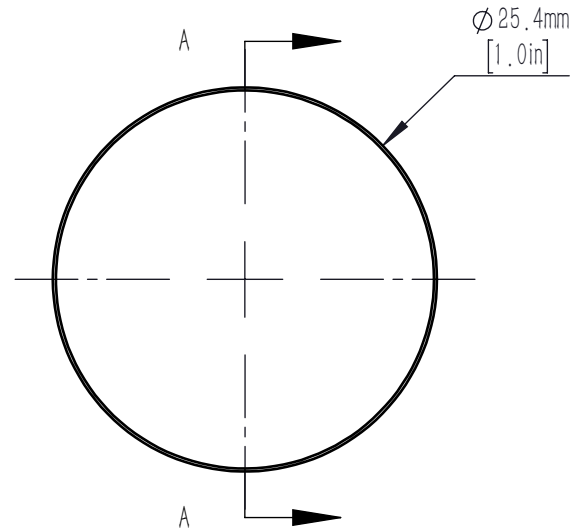


	R	k	A4	A6	A8
S1	25.56	-1.01	3.2703958e-6	7.7205335e-10	1.6304727e-13
S2	INFINITE	-	-	-	-

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



NOTES:

1. MATERIAL: N-BK7
2. DESIGN WAVELENGTH: 780.0 nm
3. NUMERICAL APERTURE: 0.22
4. FOCAL LENGTH: 50.0 mm
5. FOCAL LENGTH TOLERANCE: $\pm 1\%$
6. BACK FOCAL LENGTH(REF): BF=46.0 mm
7. CLEAR APERTURE: $>90\%$ CA
8. DIAMETER TOLERANCE: $+0.0/-0.1$ mm
9. THICKNESS TOLERANCE: ± 0.1 mm
10. CHAMFER: 0.2 mm, 45°
11. WAVEFRONT ERROR(RMS): $<0.5 \mu\text{m}$
12. SAG DEVIATION(POWER, S1): $\pm 7.5 \mu\text{m}$
13. SURFACE IRREGULARITY(S1): <3 FRINGES
14. SURFACE FLATNESS(S2): $\lambda/4$
15. SURFACE QUALITY: 60-40 SCRATCH-DIG
16. CENTRATION: <3 arcmin
17. DAMAGE THRESHOLD: 9 J/cm²@810 nm, 10 ns, 10 HZ, $\phi 0.144$ mm
18. AR COATING(S1, S2): Ravg $<0.5\%$ @400-700 nm, 6 °AOI

DRAWING PROJECTION			LBTEK			
	NAME	DATE	AC1610-A			
DRAWN	BSHU	Aug./1st/24	ASPHERIC LENS			
APPROVAL	WCHENG	Aug./1st/24	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			N-BK7	2.26g	2:1	A