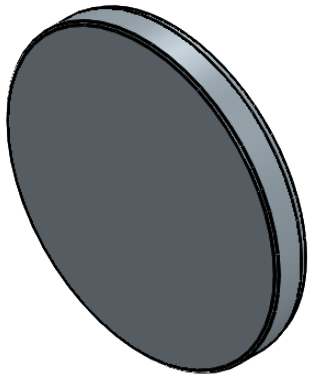
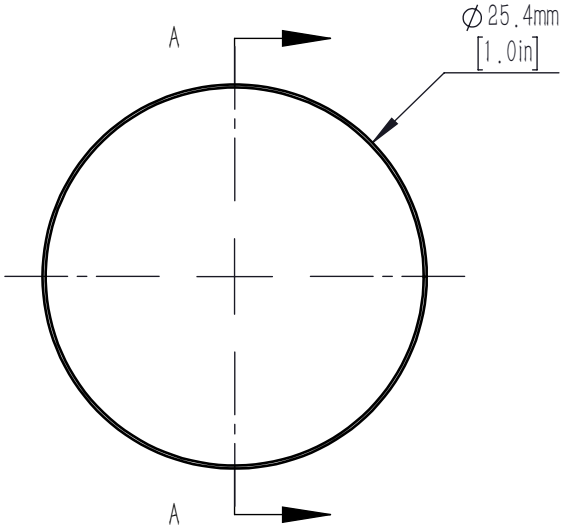
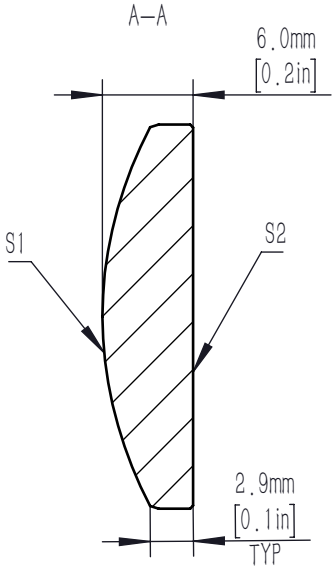
	R	k	A4	A6	A8
S1	25.56	−1.01	3.2703958e−6	7.7205335e−10	1.6304727e−13
S2	INFINITE	−	−	−	−

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







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: ±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 μm
12. SAG DEVIATION(POWER,S1): ±7.5 μm
13. SURFACE IRREGULARITY(S1): <3 FRINGES
14. SURFACE FLATNESS(S2): λ/4
15. SURFACE QUALITY: 60−40 SCRATCH−DIG
16. CENTRATION: <3 arcmin
17. DAMAGE THRESHOLD: 9 J/cm2@810 nm,10 ns,10 HZ, ∅0.144 mm
18. AR COATING(S1&S2): Ravg<0.5 %@700−1100 nm,6 °AOI

DRAWING PROJECTION			LBTEK			
	NAME	DATE	AC1610−B			
DRAWN	SHAN	APR./18th/24	ASPHERIC LENS			
APPROVAL	WCHENG	APR./18th/24	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			N−BK7	2.26g	2:1	B