



NOTES

1. MATERIAL: N-BK7
2. DESIGN WAVELENGTH: 587.6 nm
3. WORKING WAVELENGTH: 700 nm-1100 nm
4. FOCAL LENGTH: 7.7 mm
5. FOCAL LENGTH TOLERANCE(REF):  $\pm 1\%$
6. BACK FOCAL LENGTH(REF):  $bf=5.0$  mm
7. CLEAR APERTURE:  $>90\%$  OF SURFACE LENGTH AND HEIGHT
8. DIAMETER TOLERANCE:  $+0.0/-0.1$  mm
9. THICKNESS TOLERANCE:  $\pm 0.2$  mm
10. CHAMFER: 0.2 mm,  $45^\circ$
11. SURFACE QUALITY: 60/40 SCRATCH/DIG
12. SURFACE FLATNESS(S1):  $\lambda/2$
13. SURFACE POWER(S2):  $3\lambda/2$
14. SURFACE IRREGULARITY(S2):  $\lambda$  (S2 H),  $\lambda$  (S2 L)
15. CENTRATION:  $\leq 5$  arcmin
16. AR COATING:  $R_{avg} < 0.5\%$  @ 700 nm-1100 nm,  $6^\circ$  AOI

DRAWING PROJECTION			<b>LBTEK</b>			
	NAME	DATE	CY103105-B			
DRAWN	BSHU	JUL./29th/24	H x L = 7.0 mm x 9.0 mm, f = 7.7 mm PLANO CONVEX CYLINDRICAL LENS AR COATING 700-1100 nm			
APPROVAL	WCHENG	JUL./29th/24	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			N-BK7	0.53g	10:1	B