



NOTES

1. DESIGN WAVELENGTH: 587.6 nm
2. OPERATION WAVELENGTH: 400 nm-1100 nm
3. DIAMETER TOLERANCE: $+0.0/-0.1\text{ mm}$
4. THICKNESS TOLERANCE: $\pm 0.1\text{ mm}$
5. FOCAL LENGTH: $f=50.0\text{ mm}\pm 1\%$
6. BACK FOCAL LENGTH(REF): $bf=48.1\text{ mm}$
7. CLEAR APERTURE: $>90\%CA$
8. SURFACE QUALITY(S/D)(S1, S2): 40/20
9. SURFACE FLATNESS(S1): $\lambda/2 @ 632.8\text{ nm}$
10. SURFACE POWER(S2): $3\lambda/2 @ 632.8\text{ nm}$
11. SURFACE IRREGULARITY(S2): $\lambda/4 @ 632.8\text{ nm}$
12. CENTRATION: $<3\text{ arcmin}$
13. CHAMFER: $<0.2\text{ mm}, 45^\circ$
14. COATING(S1, S2): AR COATING $R_{avg}<1\% @ 400-1100\text{ nm}$

DRAWING PROJECTION			LBTEK			
NAME	DATE	CX10310-AB				
DRAWN	BSHU	JUL./23th/24	$\phi 12.7\text{ mm}, f=50\text{ mm}$ PLANO CONVEX LENS AR COATING 400-1100 nm			
APPROVAL	WCHENG	JUL./23th/24	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			N-BK7	0.68 g	5:1	A