



NOTES

1. DESIGN WAVELENGTH: 587.6 nm
2. OPERATION WAVELENGTH: 700 nm-1100 nm
3. DIAMETER TOLERANCE: +0.0/-0.1 mm
4. THICKNESS TOLERANCE: ±0.1 mm
5. FOCAL LENGTH: $f=150.0 \text{ mm} \pm 1\%$
6. BACK FOCAL LENGTH(REF): $bf=148.68 \text{ mm}$
7. CLEAR APERTURE: >90%CA
8. SURFACE QUALITY(S/D)(S1,S2): 40/20
9. SURFACE FLATNESS(S1): $\lambda/2 @ 633 \text{ nm}$
10. SURFACE POWER(S2): $3 \lambda/2 @ 633 \text{ nm}$
11. SURFACE IRREGULARITY(S2): $\lambda/4 @ 633 \text{ nm}$
12. CENTRATION: <3 arcmin
13. CHAMFER: <0.2 mm, 45°
14. COATING(S1,S2): $R_{avg} < 0.5\%$ & $T_{avg} > 96\% @ 700 \text{ nm}-1100 \text{ nm}$

DRAWING PROJECTION			LBTEK			
	NAME	DATE	CX10315-B			
DRAWN	BSHU	JUL./24th/24	$\phi 12.7 \text{ mm}, f=150 \text{ mm}$ PLANO CONVEX LENS AR COATING 700-1100 nm			
APPROVAL	WCHENG	JUL./24th/24	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			N-BK7	0.58g	5:1	A