



NOTES

1. DESIGN WAVELENGTH: 587.6 nm
2. OPERATION WAVELENGTH: 1100 nm-1650 nm
3. DIAMETER TOLERANCE: +0.0/-0.1 mm
4. THICKNESS TOLERANCE:  $\pm 0.1$  mm
5. FOCAL LENGTH:  $-50.0 \text{ mm} \pm 1\%$
6. BACK FOCAL LENGTH(REF): -52.1 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  $R_{avg} < 0.5\% @ 1100 \text{ nm}-1650 \text{ nm}$

DRAWING PROJECTION			<b>LBTEK</b>			
	NAME	DATE	CC10310-C			
DRAWN	BSHU	JUL./29th/24	$\phi 12.7 \text{ mm}, f=-50.0 \text{ mm}$ PLANO CONCAVE LENS AR COATING 1100-1650nm			
APPROVAL	WCHENG	JUL./29th/24	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			N-BK7	1.20g	2:1	A