



NOTES

1. DESIGN WAVELENGTH: 587.6 nm
2. OPERATION WAVELENGTH: 1100 nm–1650 nm
3. DIAMETER TOLERANCE:  $+0.0/-0.1\text{ mm}$
4. THICKNESS TOLERANCE:  $\pm 0.1\text{ mm}$
5. FOCAL LENGTH:  $f=30\text{ mm}\pm 1\%$
6. BACK FOCAL LENGTH(REF):  $bf=27.8\text{ mm}$
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  $R_{avg}<0.5\% @ 1100-1650\text{ nm}$

DRAWING PROJECTION			<b>LBTEK</b>			
	NAME	DATE	CX10307-C			
DRAWN	BSHU	JUL./24th/24	$\phi 12.7\text{ mm}, f=30\text{ mm}$ PLANO CONVEX LENS AR COATING 1100–1650 nm			
APPROVAL	WCHENG	JUL./24th/24	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			N-BK7	0.78 g	5:1	A