



NOTES

1. DESIGN WAVELENGTH: 587.6 nm
2. OPERATION WAVELENGTH: 245 nm-400 nm
3. DIAMETER TOLERANCE:  $+0.0/-0.1$  mm
4. THICKNESS TOLERANCE:  $\pm 0.1$  mm
5. FOCAL LENGTH:  $f=30.1$  mm  $\pm 1\%$
6. BACK FOCAL LENGTH(REF):  $bf=27.8$  mm
7. CLEAR APERTURE:  $>90\%$  CA
8. SURFACE QUALITY(S/D)(S1,S2): 40/20
9. SURFACE FLATNESS(S1):  $\lambda/2$  @ 632.8 nm
10. SURFACE POWER(S2):  $3\lambda/2$  @ 632.8 nm
11. SURFACE IRREGULARITY(S2):  $\lambda/4$  @ 632.8 nm
12. CENTRATION:  $<3$  arcmin
13. CHAMFER:  $<0.2$  mm,  $45^\circ$
14. COATING(S1,S2): AR COATING  $R_{avg} <0.5\%$  @ 245 nm-400 nm

DRAWING PROJECTION			<b>LBTEK</b>			
	NAME	DATE	CX20307-UV			
DRAWN	BSHU	JUL./24th/24	$\phi 12.7$ mm, $f=30.1$ mm PLANO CONVEX LENS AR COATING 245-400 nm			
APPROVAL	WCHENG	JUL./24th/24	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			UVFS	0.80g	5:1	A