



NOTES

1. DESIGN WAVELENGTH:  $587.6\text{ nm}$
2. OPERATION WAVELENGTH:  $1100\text{ nm} - 1650\text{ nm}$
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):  $bf=46.3\text{ mm}$
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  $R_{\text{avg}} < 0.5\% @ 1100\text{ nm} - 1650\text{ nm}$

DRAWING PROJECTION			<b>LBTEK</b>			
	NAME	DATE	CX10610-C			
DRAWN	BSHU	JUL./24th/24	$\phi 25.4\text{ mm}, f=50\text{ mm}$ PLANO CONVEX LENS AR COATING $1100-1650\text{ nm}$			
APPROVAL	WCHENG	JUL./24th/24	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			N-BK7	4.52g	2:1	A