



NOTES

1. DESIGN WAVELENGTH: 587.6 nm
2. OPERATION WAVELENGTH: 700 nm–1100 nm
3. DIAMETER TOLERANCE: $+0.0/-0.1\text{ mm}$
4. THICKNESS TOLERANCE: $\pm 0.1\text{ mm}$
5. FOCAL LENGTH: $f=50.2\text{ mm}\pm 1\%$
6. BACK FOCAL LENGTH(REF): $bf=46.2\text{ mm}$
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 $R_{avg} < 0.5\% @ 700\text{ nm}-1100\text{ nm}$

DRAWING PROJECTION			LBTEK			
	NAME	DATE	CX20610-B			
DRAWN	BSHU	JUL./24th/24	$\phi 25.4\text{ mm}, f=50.2\text{ mm}$ PLANO CONVEX LENS AR COATING 700–1100 nm			
APPROVAL	WCHENG	JUL./24th/24	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			UVFS	4.90 g	2:1	A