



NOTES

1. DESIGN WAVELENGTH: 587.6 nm
2. OPERATION WAVELENGTH: 2000 nm–5000 nm
3. DIAMETER TOLERANCE:  $+0.0/0.1\text{mm}$
4. THICKNESS TOLERANCE:  $\pm 0.1\text{mm}$
5. FOCAL LENGTH:  $f=100.0\text{mm} \pm 1\%$
6. BACK FOCAL LENGTH(REF):  $bf=97.3\text{mm}$
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  $R_{\text{avg}} < 1.25\%$ ,  $R_{\text{abs}} < 3.0\%$ ,  $T_{\text{avg}} > 94\%$ ,  $T_{\text{abs}} > 90\% @ 2000\text{nm} - 5000\text{nm}$

DRAWING PROJECTION			<b>LBTEK</b>			
NAME	DATE	CX70613-E1				
DRAWN	BSHU	DEC./20th/24	$\phi 25.4\text{mm}, f=100\text{mm}$ PLANO CONVEX LENS AR COATING 2000–5000nm			
APPROVAL	WCHENG	DEC./20th/24	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			CAF2	3.65 g	2:1	A