



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:  $f=40.0\text{ mm}\pm 1\%$
6. BACK FOCAL LENGTH(REF):  $bf=34.7\text{ mm}$
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):  $R_{avg} < 1.25\%$ ,  $R_{abs} < 3.0\%$   
 $T_{avg} > 94\%$ ,  $T_{abs} > 90\% @ 2000\text{ nm}-5000\text{ nm}$

DRAWING PROJECTION			<b>LBTEK</b>			
	NAME	DATE	CX70609-E1			
DRAWN	BSHU	JUL./24th/24	$\phi 25.4\text{ mm}, f=40\text{ mm}$ PLANO CONVEX LENS AR COATING 2000-5000 nm			
APPROVAL	WCHENG	JUL./24th/24	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			CaF2	6.09 g	2:1	A