



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: $f=300.0\text{ mm}\pm 1\%$
6. BACK FOCAL LENGTH(REF): $bf=298.9\text{ mm}$
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): 增透膜 $R_{\text{avg}} < 1.25\%$, $R_{\text{abs}} < 3.0\%$
 $T_{\text{avg}} > 94\%$, $T_{\text{abs}} > 90\% @ 2000\text{ nm} - 5000\text{ nm}$

DRAWING PROJECTION			LBTEK			
	NAME	DATE	CX70619-E1			
DRAWN	BSHU	JUL./24th/24	$\phi 25.4\text{ mm}, f=300.0\text{ mm}$ PLANO CONVEX LENS 2000 nm - 5000 nm			
APPROVAL	WCHENG	JUL./24th/24	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			CaF2	1.62g	2:1	A