



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: $f=50.0\text{ mm}\pm 1\%$
6. BACK FOCAL LENGTH(REF): $bf=45.7\text{ mm}$
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): AR COATING $R_{avg} < 1.25\%$, $R_{abs} < 3.0\%$ $T_{avg} > 94\%$, $T_{abs} > 90\% @ 2000\text{ nm} - 5000\text{ nm}$

DRAWING PROJECTION			LBTEK			
	NAME	DATE	CX70610-E1			
DRAWN	BSHU	JUL./24th/24	$\varnothing 25.4\text{ mm}, f=50\text{ mm}$ 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	5.07 g	2:1	A