



NOTES

1. DESIGN WAVELENGTH: 587.6 nm
2. OPERATION WAVELENGTH: 2000 nm-5000 nm
3. DIAMETER TOLERANCE: +0.0/-0.1 mm
4. THICKNESS TOLERANCE: ± 0.1 mm
5. FOCAL LENGTH: $f=750.0$ mm $\pm 1\%$
6. BACK FOCAL LENGTH(REF): $bf=748.4$ mm
7. CLEAR APERTURE: $>90\%$ CA
8. SURFACE QUALITY(S/D)(S1, S2): 40/20
9. SURFACE FLATNESS(S1): $\lambda/2$ @ 632.8 nm
10. SURFACE POWER(S2): $3\lambda/2$ @ 632.8 nm
11. SURFACE IRREGULARITY(S2): $\lambda/4$ @ 632.8 nm
12. CENTRATION: <3 arcmin
13. CHAMFER: <0.2 mm, 45°
14. COATING(S1, S2): AR COATING $R_{avg} < 1.25\%$, $R_{abs} < 3.0\%$ $T_{avg} > 94\%$, $T_{abs} > 90\%$ @ 2000 nm -5000 nm

DRAWING PROJECTION			LBTEK			
	NAME	DATE				
DRAWN	BSHU	JUL./24th/24	$\varnothing 25.4$ mm, $f=750$ 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	5.18g	2:1	A