



NOTES

1. DESIGN WAVELENGTH: 587.6 nm
2. OPERATION WAVELENGTH: 780 nm
3. DIAMETER TOLERANCE: $+0.0/-0.1\text{ mm}$
4. THICKNESS TOLERANCE: $\pm 0.1\text{ mm}$
5. FOCAL LENGTH: $f=150\text{ mm}\pm 1\%$
6. BACK FOCAL LENGTH(REF): $bf=147.5\text{ mm}$
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 $R_{avg}<0.25\% @ 780\text{ nm}$

DRAWING PROJECTION			LBTEK			
	NAME	DATE				
DRAWN	BSHU	JUL./23th/24	$\phi 25.4\text{ mm}, f=150\text{ mm}$ PLANO CONVEX LENS AR COATING 780 nm			
APPROVAL	WCHENG	JUL./23th/24	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			N-BK7	3.18g	2:1	A