



NOTES

1. DESIGN WAVELENGTH: 587.6 nm
2. OPERATION WAVELENGTH: 2000 nm-5000 nm
3. DIAMETER TOLERANCE: +0.0/0.1mm
4. THICKNESS TOLERANCE: $\pm 0.1\text{mm}$
5. FOCAL LENGTH: $f=250.0\text{mm} \pm 1\%$
6. BACK FOCAL LENGTH(REF): $bf=248.1\text{mm}$
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 $R_{\text{avg}} < 1.25\%$, $R_{\text{abs}} < 3.0\%$ $T_{\text{avg}} > 94\%$, $T_{\text{abs}} > 90\% @ 2000\text{nm} - 5000\text{nm}$

DRAWING PROJECTION			LBTEK			
	NAME	DATE				
DRAWN	BSHU	DEC./20th/24	$\varnothing 25.4\text{mm}, f=250\text{mm}$ PLANO CONVEX LENS AR COATING 2000-5000nm			
APPROVAL	WCHENG	DEC./20th/24	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			CAF2	2.87 g	2:1	A