



NOTE:

1. DESIGN WAVELENGTH: 587.6 nm
2. OPERATION WAVELENGTH: 245 nm-400 nm
3. DIAMETER TOLERANCE: +0.0/-0.1 mm
4. THICKNESS TOLERANCE: ±0.1 mm
5. FOCAL LENGTH: $f=301.1 \text{ mm} \pm 1\%$
6. BACK FOCAL LENGTH(REF): $bf=297.4 \text{ mm}$
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 arcmin
13. CHAMFER: <0.2 mm, 45°
14. COATING(S1, S2): AR COATING $R_{avg} < 0.5\% @ 245 \text{ nm}-400 \text{ nm}$

DRAWING PROJECTION			LBTEK			
	NAME	DATE	CX20819-UV-SP			
DRAWN	BSHU	JUL./24th/24	$\phi 50.8 \text{ mm}, f=301.1 \text{ mm}$ PLANO CONVEX LENS UNCOATED			
APPROVAL	WCHENG	JUL./24th/24	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			UVFS	20.65 g	2:1	A