



NOTES

1. DESIGN WAVELENGTH: 587.6 nm
2. OPERATION WAVELENGTH: 700 nm-1100 nm
3. DIAMETER TOLERANCE: +0.0/-0.1 mm
4. THICKNESS TOLERANCE: ±0.1 mm
5. FOCAL LENGTH: $f=250.0 \text{ mm} \pm 1\%$
6. BACK FOCAL LENGTH(REF): $bf=245.5 \text{ mm}$
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 arcmin
13. CHAMFER: <0.2 mm, 45°
14. COATING(S1, S2): AR COATING $R_{avg} < 0.5\% @ 700 \text{ nm}-1100 \text{ nm}$

	PART DESCRIPTION	MATERIAL
①	SM2-8A	ANODIZED ALUMINIUM
②	CX10818-B	N-BK7
③	SM2R	ANODIZED ALUMINIUM

DRAWING PROJECTION				LBTEK				
		NAME		DATE		MCX10818-B		
DRAWN		BSHU	Aug. /12th/24		$\phi 50.8 \text{ mm}, f=250 \text{ mm}$ PLANO CONVEX LENS AR COATING 700-1100 nm			
APPROVAL		WCHENG	Aug. /12th/24		MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES					N-BK7	30.83g	2:1	B