



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:  $f=750.0 \text{ mm} \pm 1\%$
6. BACK FOCAL LENGTH(REF):  $bf=745.0 \text{ mm}$
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	CX10822-B	N-BK7
③	SM2R	ANODIZED ALUMINIUM

DRAWING PROJECTION				<h1 style="color: red; margin: 0;">LBTEK</h1>					
		NAME		DATE		<b>MCX10822-B</b>			
DRAWN		BSHU		Aug./12th/24		Ø 50.8 mm, f=750 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	26.52g	2:1	B