



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=75.0 mm±1%
6. BACK FOCAL LENGTH(REF): bf=72.0 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 Ravg <0.5% @ 700 nm-1100 nm

	PARTDESCRIPTION	MATERIAL
①	SM1-8A	ANODIZED ALUMINIUM
②	CX106112-B	N-BK7
③	SM1R	ANODIZED ALUMINIUM

DRAWING PROJECTION				<h1 style="color: red; margin: 0;">LBTEK</h1>			
	NAME	DATE	MCX10612-B				
DRAWN	BSHU	Aug./12th/24	$\phi 25.4 \text{ mm}, f=75 \text{ mm}$ 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	19.06g	2:1	B	