



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: $f=30.0 \text{ mm} \pm 1\%$
6. BACK FOCAL LENGTH(REF): $bf=24.2 \text{ mm}$
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 $R_{avg} < 0.5\% @ 700 \text{ nm} - 1100 \text{ nm}$

	PARTDESCRIPTION	MATERIAL
①	SM1-12.5A	ANODIZED ALUMINIUM
②	CX10607-B	N-BK7
③	SM1R	ANODIZED ALUMINIUM

DRAWING PROJECTION				LBTEK					
		NAME		DATE		MCX10607-B			
DRAWN		BSHU		Aug./12th/24		$\phi 25.4 \text{ mm}, f=30 \text{ mm}$ 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	31.58g	2:1	B