



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: $f=15.0 \text{ mm} \pm 1\%$
6. BACK FOCAL LENGTH(REF): $bf=11.6 \text{ mm}$
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	SM05-8A	ANODIZED ALUMINIUM
②	CX10303-B	N-BK7
③	SM05R	ANODIZED ALUMINIUM

DRAWING PROJECTION		LBTEK				
		MCX10303-B				
		Ø 12.7 mm, f=15 mm PLANO CONVEX LENS AR COATING 700-1100 nm				
	NAME	DATE	MATERIAL	WEIGHT	SCALE	REV
DRAWN	BSHU	Aug./12th/24				
APPROVAL	WCHENG	Aug./12th/24				
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			N-BK7	4.38 g	2:1	B