



NOTES

1. DESIGN WAVELENGTH: 587.6 nm
2. OPERATION WAVELENGTH: 1100 nm-1650 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: $<3 \text{ arcmin}$
13. CHAMFER: $<0.2 \text{ mm}, 45^\circ$
14. COATING(S1, S2): AR COATING $R_{avg} <0.5\% @ 1100 \text{ nm}-1650 \text{ nm}$

	PART DESCRIPTION	MATERIAL
①	SM05-8A	ANODIZED ALUMINIUM
②	CX10303-C	N-BK7
③	SM05R	ANODIZED ALUMINIUM

DRAWING PROJECTION				<h1 style="color: red; margin: 0;">LBTEK</h1>					
		NAME		DATE		MCX10303-C			
DRAWN		BSHU		Aug. /12th/24		$\phi 12.7 \text{ mm}, f=15 \text{ mm}$ PLANO CONVEX LENS AR COATING 1100-1650 nm			
APPROVAL		WCHENG		Aug. /12th/24		MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES						N-BK7	4.38 g	2:1	B