



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: 100.0 mm±1%
6. BACK FOCAL LENGTH(REF): 99.3 mm
7. CLEAR APERTURE: >90%CA
8. SURFACE QUALITY(S/D)(S1,S2): 40/20
9. SURFACE POWER(S2): $3\lambda/2$ @ 632.8 nm
10. SURFACE IRREGULARITY(S2): $\lambda/4$ @ 632.8 nm
11. CENTRATION: <3 arcmin
12. CHAMFER: <0.2 mm, 45°
13. COATING(S1,S2): AR COATING $R_{avg} < 0.5\%$ @ 700 nm-1100 nm

	PART DESCRIPTION	MATERIAL
①	SM05-8A	ANODIZED ALUMINIUM
②	BCX10313-B	N-BK7
③	SM05R	ANODIZED ALUMINIUM

DRAWING PROJECTION				<h1 style="color: red;">LBTEK</h1>					
		NAME		DATE		MBCX10313-B			
DRAWN		BSHU		Aug./19th/24		ϕ 12.7 mm, F=100.0 mm BI-CONVEX LENS AR COATING 700-1100 nm			
APPROVAL		WCHENG		Aug./19th/24		MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES						N-BK7	9.03 g	2:1	B