



NOTES

1. DESIGN WAVELENGTH: 587.6 nm
2. OPERATION WAVELENGTH: 400 nm-700 nm
3. DIAMETER TOLERANCE: +0.0/-0.1 mm
4. THICKNESS TOLERANCE: ±0.1 mm
5. FOCAL LENGTH: 250.0 mm ± 1%
6. BACK FOCAL LENGTH(REF): 249.1 mm
7. CLEAR APERTURE: >90%CA
8. SURFACE QUALITY(S/D)(S1,S2): 40/20
9. SURFACE POWER(S2):  $3\lambda/2 @ 632.8 \text{ nm}$
10. SURFACE IRREGULARITY(S2):  $\lambda/4 @ 632.8 \text{ nm}$
11. CENTRATION: <3 arcmin
12. CHAMFER: <0.2 mm, 45°
13. COATING(S1,S2): AR COATING  $R_{avg} < 0.5\% @ 400 \text{ nm}-700 \text{ nm}$

	PART DESCRIPTION	MATERIAL
①	SM1-8A	ANODIZED ALUMINIUM
②	BCX10618-A	N-BK7
③	SM1R	ANODIZED ALUMINIUM

DRAWING PROJECTION				<b>LBTEK</b>					
		NAME		DATE		MBCX10618-A			
DRAWN		BSHU		Aug. /19th/24		$\phi 25.4 \text{ mm}, F=250.0 \text{ mm}$ BI-CONVEX LENS AR COATING 400-700 nm			
APPROVAL		WCHENG		Aug. /19th/24		MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES						N-BK7	20.76g	2:1	B