



NOTES

1. DESIGN WAVELENGTH: 587.6 nm
2. OPERATION WAVELENGTH: 1650 nm–3000 nm
3. DIAMETER TOLERANCE: +0.0/–0.1 mm
4. THICKNESS TOLERANCE: ±0.1 mm
5. FOCAL LENGTH:  $f=75.0 \text{ mm} \pm 1\%$
6. BACK FOCAL LENGTH(REF):  $bf=71.8 \text{ mm}$
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  $R_{avg} <0.5\% @ 1650 \text{ nm}–3000 \text{ nm}$

	PART DESCRIPTION	MATERIAL
①	SM1–8A	ANODIZED ALUMINIUM
②	CX70612–D	CaF2
③	SM1R	ANODIZED ALUMINIUM

DRAWING PROJECTION			<b>LBTEK</b>			
	NAME	DATE	MCX70612–D			
DRAWN	BSHU	Aug. /12th/24	$\phi 25.4 \text{ mm}, f=75 \text{ mm}$ PLANO CONVEX LENS AR COATING 1650–3000 nm			
APPROVAL	WCHENG	Aug. /12th/24	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			CaF2	25.99g	2:1	B