



NOTES

1. DESIGN WAVELENGTH: 587.6 nm
2. OPERATION WAVELENGTH: 350 nm–700 nm
3. DIAMETER TOLERANCE: +0.0/–0.1 mm
4. THICKNESS TOLERANCE: ±0.1 mm
5. FOCAL LENGTH:  $f=150.5 \text{ mm} \pm 1\%$
6. BACK FOCAL LENGTH(REF):  $bf=148.4 \text{ mm}$
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  $R_{avg} <0.5\% @ 350 \text{ nm}–700 \text{ nm}$

	PART DESCRIPTION	MATERIAL
①	SM1–8A	ANODIZED ALUMINIUM
②	CX20615–A	UVFS
③	SM1R	ANODIZED ALUMINIUM

DRAWING PROJECTION				<b>LBTEK</b>			
	NAME	DATE	MCX20615–A				
DRAWN	SHAN	JUN./24th/25	$\phi 25.4 \text{ mm}, f=150.5 \text{ mm}$ PLANO CONVEX LENS AR COATING 350–700 nm				
APPROVAL	WCHENG	JUN./24th/25	MATERIAL	WEIGHT	SCALE	REV	
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			UVFS	19.21g	2:1	C	