



NOTES

1. DESIGN WAVELENGTH: 587.6 nm
2. OPERATION WAVELENGTH: 190 nm–2.1 μm
3. FOCAL LENGTH:  $f=75.3 \text{ mm} \pm 1\%$
4. BACK FOCAL LENGTH(REF):  $bf=72.2 \text{ mm}$
5. CLEAR APERTURE:  $>90\%CA$
6. SURFACE QUALITY(S/D)(S1,S2): 40/20
7. SURFACE FLATNESS(S1):  $\lambda/2 @ 632.8 \text{ nm}$
8. SURFACE POWER(S2):  $3\lambda/2 @ 632.8 \text{ nm}$
9. SURFACE IRREGULARITY(S2):  $\lambda/4 @ 632.8 \text{ nm}$
10. CENTRATION:  $<3 \text{ arcmin}$
11. CHAMFER:  $<0.2 \text{ mm}, 45^\circ$
12. COATING(S1,S2): UNCOATED

	PART DESCRIPTION	MATERIAL
①	SM1-8A	ANODIZED ALUMINIUM
②	CX20612	N-BK7
③	SM1R	ANODIZED ALUMINIUM

DRAWING PROJECTION			<b>LBTEK</b>			
		NAME	DATE	MCX20612		
DRAWN	BSHU	JUN./24th/25	Ø25.4 mm, f=75.3 mm PLANO CONVEX LENS UNCOATED			
APPROVAL	WCHENG	JUN./24th/25	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			UVFS	19.53g	2:1	C