



NOTES

1. DESIGN WAVELENGTH: 587.6 nm
2. OPERATION WAVELENGTH: 1050 nm-1700 nm
3. DIAMETER TOLERANCE: +0.0/-0.1 mm
4. THICKNESS TOLERANCE: ±0.1 mm
5. FOCAL LENGTH: $f=125.4 \text{ mm} \pm 1\%$
6. BACK FOCAL LENGTH(REF): $bf=123.1 \text{ mm}$
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. AR COATING(S1,S2): $R_{avg} < 0.5\% @ 1050 \text{ nm}-1700 \text{ nm}, 6^\circ AOI, \text{ Single Surface}$

	PART DESCRIPTION	MATERIAL
①	SM1-8A	ANODIZED ALUMINIUM
②	CX20614-C	UVFS
③	SM1R	ANODIZED ALUMINIUM

DRAWING PROJECTION				LBTEK					
		NAME		DATE		MCX20614-C			
DRAWN		SHAN		DEC./2nd/25		PLANO CONVEX LENS			
APPROVAL		WCHENG		DEC./2nd/25		MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES						UVFS	9.22 g	2:1	A