



NOTES:

1. DESIGN WAVELENGTH: 587.6 nm
2. OPERATION WAVELENGTH: 700–1100 nm
3. DIAMETER TOLERANCE: +0.0/−0.1 mm
4. THKKNES TOLERANCE: ±0.1 mm
5. FOCAL LENGTH: $f=50.2 \text{ mm} \pm 1\%$
6. BACK FOCAL LENGTH(REF): $bf=48.3 \text{ mm}$
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 RREGULARITY(S2): $\lambda/4 @ 632.8 \text{ nm}$
12. CENTRATION: $<3 \text{ arcmin}$
13. CHAMFER: $<0.2\text{mm}, 45^\circ$
14. AR COATNG(S1.S2): $R_{avg}<0.5\% @ 700-1100 \text{ nm}$ (6° AOI, single)

	PART DESCRIPTION	MATERIAL
①	SM05-8A	ANODIZED ALUMINIUM
②	CX20310-B	UVFS
③	SM05R	ANODIZED ALUMINIUM

DRAWING PROJECTION				<h1 style="color: red; margin: 0;">LBTEK</h1>					
		NAME		DATE		MCX20310-B			
DRAWN		AGAO		MAY./20th/25		PLANO CONVEX LENS			
APPROVAL		SHAN		MAY./20th/25		MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES				N/A		3.87g	3:1	A	