



NOTES:

1. DESIGN WAVELENGTH: 587.6 nm
2. OPERATION WAVELENGTH: 1050-1700 nm
3. DIAMETER TOLERANCE: $+0.0/-0.1$ mm
4. THICKNESS TOLERANCE: ± 0.1 mm
5. FOCAL LENGTH: $f=50.2$ mm $\pm 1\%$
6. BACK FOCAL LENGTH(REF): $bf=48.3$ mm
7. CLEAR APERTURE: $>90\%$ CA
8. SURFACE QUALITY(S/D)(S1.S2): 40/20
9. SURFACE FLATNESS(S1): $\lambda/2 @ 632.8$ nm
10. SURFACE POWER(S2): $3\lambda/2 @ 632.8$ nm
11. SURFACE REGULARITY(S2): $\lambda/4 @ 632.8$ nm
12. CENTRATION: <3 arcmin
13. CHAMFER: <0.2 mm, 45°
14. AR COATING(S1.S2): $R_{avg}<0.5\%$ @1050-1700 nm (6° AOI, single)

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

DRAWING PROJECTION							
	NAME	DATE	MCX20310-C				
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	