



NOTES

1. DESIGN WAVELENGTH: 587.6 nm
2. OPERATION WAVELENGTH: 200 nm–8.0 μ m
3. DIAMETER TOLERANCE: +0.0/-0.1 mm
4. THICKNESS TOLERANCE: ± 0.1 mm
5. FOCAL LENGTH: $f=500.0$ mm $\pm 1\%$
6. BACK FOCAL LENGTH(REF): $bf=498.3$ 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 IRREGULARITY(S2): $\lambda/4$ @ 632.8 nm
12. CENTRATION: <3 arcmin
13. CHAMFER: <0.2 mm, 45°
14. COATING(S1, S2): UNCOATED

	PART DESCRIPTION	MATERIAL
①	SM1-8A	ANODIZED ALUMINIUM
②	CX70621	CaF2
③	SM1R	ANODIZED ALUMINIUM

DRAWING PROJECTION				<h1 style="color: red; margin: 0;">LBTEK</h1>					
		NAME		DATE		MCX70621			
DRAWN		BSHU		Aug. /12th/24		$\Phi 25.4$ mm, $f=500$ mm PLANO CONVEX LENS UNCOATED			
APPROVAL		WCHENG		Aug. /12th/24		MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES						CaF2	23.25g	2:1	B