



NOTES

1. DESIGN WAVELENGTH: 587.6 nm
2. OPERATION WAVELENGTH: 1100 nm-1650 nm
3. DIAMETER TOLERANCE: +0.0/-0.1 mm
4. THICKNESS TOLERANCE: ±0.1 mm
5. FOCAL LENGTH: f=175.0 mm±1%
6. BACK FOCAL LENGTH(REF): bf=172.5 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): AR COATING Ravg <0.5% @ 1100 nm-1650 nm

	PART DESCRIPTION	MATERIAL
①	SM1-8A	ANODIZED ALUMINIUM
②	CX10616-C	N-BK7
③	SM1R	ANODIZED ALUMINIUM

DRAWING PROJECTION				LBTEK			
		NAME	DATE	MCX10616-C			
DRAWN	BSHU	Aug./12th/24		Ø25.4 mm, f=175 mm PLANO CONVEX LENS AR COATING 1100-1650 nm			
APPROVAL	WCHENG	Aug./12th/24		MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES				N-BK7	19.14g	2:1	B