



NOTES

1. DESIGN WAVELENGTH: 587.6 nm
2. OPERATION WAVELENGTH: 245 nm-400 nm
3. DIAMETER TOLERANCE: +0.0/0.1mm
4. THICKNESS TOLERANCE: ±0.1mm
5. FOCAL LENGTH: $f=40.1\text{mm} \pm 1\%$
6. BACK FOCAL LENGTH(REF): $bf=35.3\text{mm}$
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 IRREGULARITY(S2): $\lambda/4 @ 632.8\text{nm}$
12. CENTRATION: $<3\text{arcmin}$
13. CHAMFER: $<0.2\text{mm}, 45^\circ$
14. COATING(S1,S2): AR COATING $R_{\text{avg}} < 0.5\% @ 245\text{nm}-400\text{nm}$

	PART DESCRIPTION	MATERIAL
①	SM1-8A	ANODIZED ALUMINIUM
②	CX20609-UV	UVFS
③	SM1R	ANODIZED ALUMINIUM

DRAWING PROJECTION				LBTEK www.lbtek.com			
	NAME	DATE	MCX20609-UV				
	DRAWN	YFAN	2020/9/1	$\phi 25.4\text{mm}, f=40.1\text{mm}$ PLANO CONVEX LENS AR COATING 245-400nm			
	APPROVAL	LDAI	2020/9/1	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES				N/A	20.14 g	2:1	AE