



NOTES

1. DESIGN WAVELENGTH: 587.6 nm
2. OPERATION WAVELENGTH: 245 nm-400 nm
3. DIAMETER TOLERANCE: +0.0/-0.1 mm
4. THICKNESS TOLERANCE:  $\pm 0.1$  mm
5. FOCAL LENGTH:  $f=40.1$  mm  $\pm 1\%$
6. BACK FOCAL LENGTH(REF):  $bf=38.1$  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,  $45^\circ$
14. COATING(S1,S2): AR COATING  $R_{avg} < 0.5\%$  @ 245 nm-400 nm

	PART DESCRIPTION	MATERIAL
①	SM05-8A	ANODIZED ALUMINIUM
②	CX20309-UV	UVFS
③	SM05R	ANODIZED ALUMINIUM

DRAWING PROJECTION				<b>LBTEK</b>			
	NAME	DATE	MCX20309-UV				
DRAWN	BSHU	Aug./12th/24	$\phi 12.7$ mm, $f=40.1$ mm PLANO CONVEX LENS AR COATING 245-400 nm				
APPROVAL	WCHENG	Aug./12th/24	MATERIAL	WEIGHT	SCALE	REV	
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			UVFS	3.55 g	2:1	B	