



NOTES

1. DESIGN WAVELENGTH: 587.6 nm
2. OPERATION WAVELENGTH: 350 nm-2.0  $\mu$ m
3. DIAMETER TOLERANCE: +0.0/-0.1 mm
4. THICKNESS TOLERANCE:  $\pm 0.1$  mm
5. FOCAL LENGTH: 50.0 mm  $\pm 1\%$
6. BACK FOCAL LENGTH(REF): 49.1 mm
7. CLEAR APERTURE:  $>90\%$ CA
8. SURFACE QUALITY(S/D)(S1, S2): 40/20
9. SURFACE POWER(S2):  $3\lambda/2 @ 632.8$  nm
10. SURFACE IRREGULARITY(S2):  $\lambda/4 @ 632.8$  nm
11. CENTRATION:  $<3$  arcmin
12. CHAMFER:  $<0.2$  mm,  $45^\circ$
13. COATING(S1, S2): UNCOATED

	PART DESCRIPTION	MATERIAL
①	SM05-8A	ANODIZED ALUMINIUM
②	BCX10310	N-BK7
③	SM05R	ANODIZED ALUMINIUM

DRAWING PROJECTION				<h1 style="color: red; margin: 0;">LBTEK</h1>			
DRAWN	BSHU	DATE	Aug. /19th/24	$\phi 12.7$ mm, F=50.0 mm BI-CONVEX LENS UNCOATED			
APPROVAL	WCHENG	DATE	Aug. /19th/24	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES				N-BK7	9.09 g	2:1	B