



NOTES

1. DESIGN WAVELENGTH: 587.6 nm
2. OPERATION WAVELENGTH: 700 nm-1100 nm
3. DIAMETER TOLERANCE: +0.0/-0.1 mm
4. THICKNESS TOLERANCE: ±0.1 mm
5. FOCAL LENGTH: 30.0 mm±1%
6. BACK FOCAL LENGTH(REF): 28.9 mm
7. CLEAR APERTURE: >90%CA
8. SURFACE QUALITY(S/D)(S1,S2): 40/20
9. SURFACE POWER(S2): $3\lambda/2 @ 632.8 \text{ nm}$
10. SURFACE IRREGULARITY(S2): $\lambda/4 @ 632.8 \text{ nm}$
11. CENTRATION: <3 arcmin
12. CHAMFER: <0.2 mm, 45°
13. COATING(S1,S2): AR COATING $R_{avg} < 0.5\% @ 700 \text{ nm}-1100 \text{ nm}$

	PART DESCRIPTION	MATERIAL
①	SM05-8A	ANODIZED ALUMINIUM
②	BCX10307-B	N-BK7
③	SM05R	ANODIZED ALUMINIUM

DRAWING PROJECTION				<h1 style="color: red;">LBTEK</h1>			
DRAWN	BSHU	DATE	Aug./19th/24	$\phi 12.7 \text{ mm}, F=30.0 \text{ mm}$ BI-CONVEX LENS AR COATING 700-1100 nm			
APPROVAL	WCHENG	DATE	Aug./19th/24	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES				N-BK7	9.18 g	2:1	B