



NOTES

1. DESIGN WAVELENGTH: 587.6 nm
2. OPERATION WAVELENGTH: 400 nm-700 nm
3. DIAMETER TOLERANCE: $+0.0/-0.1\text{ mm}$
4. THICKNESS TOLERANCE: $\pm 0.1\text{ mm}$
5. FOCAL LENGTH: $50.0\text{ mm} \pm 1\%$
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): $3\lambda/2 @ 632.8\text{ nm}$
10. SURFACE IRREGULARITY(S2): $\lambda/4 @ 632.8\text{ nm}$
11. CENTRATION: $<3\text{ arcmin}$
12. CHAMFER: $<0.2\text{ mm}, 45^\circ$
13. COATING(S1,S2): AR COATING $R_{avg} < 0.5\% @ 400\text{ nm}-700\text{ nm}$

DRAWING PROJECTION			LBTEK			
	NAME	DATE	BCX10310-A			
DRAWN	BSHU	JUL./29th/24	$\phi 12.7\text{ mm}, F=50.0\text{ mm}$ BI-CONVEX LENS AR COATING 400-700nm			
APPROVAL	WCHENG	JUL./29th/24	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			N-BK7	0.67g	10:1	A