



NOTES

1. DESIGN WAVELENGTH: 587.6 nm
2. OPERATION WAVELENGTH: 1100 nm–1650 nm
3. DIAMETER TOLERANCE:  $+0.0/-0.1\text{ mm}$
4. THICKNESS TOLERANCE:  $\pm 0.1\text{ mm}$
5. FOCAL LENGTH:  $12.0\text{ mm} \pm 1\%$
6. BACK FOCAL LENGTH(REF): 10.7 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  $R_{\text{avg}} < 0.5\% @ 1100\text{ nm} - 1650\text{ nm}$

DRAWING PROJECTION			<b>LBTEK</b>			
	NAME	DATE	BCX10202-C			
DRAWN	BSHU	JUL./29th/24	$\phi 9.0\text{ mm}, F=12.0\text{ mm}$ BI-CONVEX LENS AR COATING 1100–1650 nm			
APPROVAL	WCHENG	JUL./29th/24	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			N-BK7	0.42g	10:1	A