



NOTES

1. DESIGN WAVELENGTH: 587.6 nm
2. OPERATION WAVELENGTH: 400 nm–700 nm
3. DIAMETER TOLERANCE:  $+0.0/-0.1$  mm
4. THICKNESS TOLERANCE:  $\pm 0.1$  mm
5. FOCAL LENGTH:  $15.0\text{ mm} \pm 1\%$
6. BACK FOCAL LENGTH(REF): 13.4 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:  $<0.2\text{ mm}, 45^\circ$
13. COATING(S1,S2): AR COATING  $R_{avg} <0.5\% @ 400\text{ nm} - 700\text{ nm}$

|  |        |              |   |        |       |     |
|--|--------|--------------|---|--------|-------|-----|
| DRAWING PROJECTION                                     |        |              | <b>LBTEK</b>  |        |       |     |
|  |        |              |   |        |       |     |
|  | NAME   | DATE         | BCX10303-A  |        |       |     |
| DRAWN  | BSHU   | JUL./29th/24 | $\phi 12.7\text{ mm}, F=15.0\text{ mm}$<br>BI-CONVEX LENS<br>AR COATING 400–700nm |        |       |     |
| APPROVAL   | WCHENG | JUL./29th/24 | MATERIAL  | WEIGHT | SCALE | REV |
| FOR INFORMATION ONLY<br>NOT FOR MANUFACTURING PURPOSES |        |              | N-BK7   | 1.00g  | 10:1  | A   |