



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:  $\pm 0.1$  mm
5. FOCAL LENGTH: 15.0 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):  $3\lambda/2 @ 632.8$  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): AR COATING  $R_{avg} < 0.5\% @ 700$  nm-1100 nm

|  |        |              |  |        |       |     |
|--|--------|--------------|--|--------|-------|-----|
| DRAWING PROJECTION                                     |        |              | <b>LBTEK</b>   |        |       |     |
|  |        |              |  |        |       |     |
|  | NAME   | DATE         | BCX10303-B   |        |       |     |
| DRAWN  | BSHU   | JUL./29th/24 | $\phi 12.7$ mm, F=15.0 mm<br>BI-CONVEX LENS<br>AR COATING 700-1100nm |        |       |     |
| APPROVAL   | WCHENG | JUL./29th/24 | MATERIAL   | WEIGHT | SCALE | REV |
| FOR INFORMATION ONLY<br>NOT FOR MANUFACTURING PURPOSES |        |              | N-BK7  | 1.00g  | 10:1  | A   |