



NOTES

1. DESIGN WAVELENGTH: 587.6 nm
2. OPERATION WAVELENGTH: 400 nm-1100 nm
3. DIAMETER TOLERANCE: +0.0/-0.1 mm
4. THICKNESS TOLERANCE:  $\pm 0.1$  mm
5. FOCAL LENGTH:  $f=75.0$  mm  $\pm 1\%$
6. BACK FOCAL LENGTH(REF):  $bf=72.0$  mm
7. CLEAR APERTURE:  $>90\%$ CA
8. SURFACE QUALITY(S/D)(S1, S2): 40/20
9. SURFACE FLATNESS(S1):  $\lambda/2$  @ 632.8 nm
10. SURFACE POWER(S2):  $3\lambda/2$  @ 632.8 nm
11. SURFACE IRREGULARITY(S2):  $\lambda/4$  @ 632.8 nm
12. CENTRATION:  $<3$  arcmin
13. CHAMFER:  $<0.2$  mm,  $45^\circ$
14. COATING(S1, S2): AR COATING  $R_{avg}<1\%$  @ 400 nm-1100 nm

|  |        |              |  |        |       |     |
|--|--------|--------------|--|--------|-------|-----|
| DRAWING PROJECTION                                     |        |              | <b>LBTEK</b>   |        |       |     |
|  | NAME   | DATE         |  |        |       |     |
| DRAWN  | BSHU   | JUL./23th/24 | $\phi 25.4$ mm, $f=75$ mm<br>PLANO CONVEX LENS<br>AR COATING 400-1100 nm |        |       |     |
| APPROVAL   | WCHENG | JUL./23th/24 | MATERIAL   | WEIGHT | SCALE | REV |
| FOR INFORMATION ONLY<br>NOT FOR MANUFACTURING PURPOSES |        |              | N-BK7  | 3.75g  | 2:1   | A   |