



NOTES

1. DESIGN WAVELENGTH: 587.6 nm
2. OPERATION WAVELENGTH: 200 nm–8.0  $\mu$ m
3. DIAMETER TOLERANCE: +0.0/-0.1 mm
4. THICKNESS TOLERANCE:  $\pm$ 0.1 mm
5. FOCAL LENGTH: 50.0 mm  $\pm$ 1%
6. BACK FOCAL LENGTH(REF): 47.9 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°
13. COATING(S1,S2): UNCOATED

|  |        |              |   |        |       |     |
|--|--------|--------------|---|--------|-------|-----|
| DRAWING PROJECTION                                     |        |              | <b>LBTEK</b>  |        |       |     |
|  |        |              |   |        |       |     |
|  | NAME   | DATE         | BCX70610  |        |       |     |
| DRAWN  | BSHU   | JUL./29th/24 | $\phi$ 25.4 mm, F=50 mm<br>BI-CONVEX LENS<br>UNCOATED |        |       |     |
| APPROVAL   | WCHENG | JUL./29th/24 | MATERIAL  | WEIGHT | SCALE | REV |
| FOR INFORMATION ONLY<br>NOT FOR MANUFACTURING PURPOSES |        |              | CaF2  | 4.89g  | 2:1   | A   |