



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: ±0.1 mm
5. FOCAL LENGTH: 100.0 mm±1%
6. BACK FOCAL LENGTH(REF): 98.8 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 mm, 45°
13. COATING(S1,S2): AR COATING  $R_{avg} < 0.5\% @ 400 \text{ nm}-700 \text{ nm}$

|   | PART DESCRIPTION | MATERIAL           |
|---|------------------|--------------------|
| ① | SM1-8A           | ANODIZED ALUMINIUM |
| ② | BCX10613-A       | N-BK7              |
| ③ | SM1R             | ANODIZED ALUMINIUM |

|  |        |              |   |        |       |     |
|--|--------|--------------|---|--------|-------|-----|
| DRAWING PROJECTION                                     |        |              | <b>LBTEK</b>  |        |       |     |
|  |        |              |   |        |       |     |
|  | NAME   | DATE         | MBCX10613-A   |        |       |     |
| DRAWN  | BSHU   | Aug./19th/24 | $\phi 25.4 \text{ mm}, F=100.0 \text{ mm}$<br>BI-CONVEX LENS<br>AR COATING 400-700 nm |        |       |     |
| APPROVAL   | WCHENG | Aug./19th/24 | MATERIAL  | WEIGHT | SCALE | REV |
| FOR INFORMATION ONLY<br>NOT FOR MANUFACTURING PURPOSES |        |              | N-BK7   | 21.34g | 2:1   | B   |