



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: ±0.1 mm
5. FOCAL LENGTH: $f=175.0 \text{ mm} \pm 1\%$
6. BACK FOCAL LENGTH(REF): $bf=172.5 \text{ mm}$
7. CLEAR APERTURE: >90%CA
8. SURFACE QUALITY(S/D)(S1,S2): 40/20
9. SURFACE FLATNESS(S1): $\lambda/2 @ 632.8 \text{ nm}$
10. SURFACE POWER(S2): $3\lambda/2 @ 632.8 \text{ nm}$
11. SURFACE IRREGULARITY(S2): $\lambda/4 @ 632.8 \text{ nm}$
12. CENTRATION: <3 arcmin
13. CHAMFER: <0.2 mm, 45°
14. COATING(S1,S2): AR COATING $R_{avg} < 0.5\% @ 700 \text{ nm} - 1100 \text{ nm}$

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| DRAWING PROJECTION | | | LBTEK | | | |
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| | NAME | DATE | CX10616-B | | | |
| DRAWN | BSHU | JUL./24th/24 | $\varnothing 25.4 \text{ mm}, f=175 \text{ mm}$ PLANO CONVEX LENS AR COATING 700–1100 nm | | | |
| APPROVAL | WCHENG | JUL./24th/24 | MATERIAL | WEIGHT | SCALE | REV |
| FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES | | | N-BK7 | 3.02g | 2:1 | A |