



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: $f=150.0 \text{ mm} \pm 1\%$
6. BACK FOCAL LENGTH(REF): $bf=148.68 \text{ mm}$
7. CLEAR APERTURE: $>90\%CA$
8. SURFACE QUALITY(S/D)(S1,S2): 40/20
9. SURFACE FLATNESS(S1): $\lambda/2 @ 633 \text{ nm}$
10. SURFACE POWER(S2): $3\lambda/2 @ 633 \text{ nm}$
11. SURFACE IRREGULARITY(S2): $\lambda/4 @ 633 \text{ nm}$
12. CENTRATION: $<3 \text{ arcmin}$
13. CHAMFER: $<0.2 \text{ mm}, 45^\circ$
14. COATING(S1,S2): $R_{avg}<0.5\% \ \& \ T_{avg}>96\% @ 400 \text{ nm}-700 \text{ nm}$

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| DRAWING PROJECTION | | | LBTEK | | | |
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| | NAME | DATE | CX10315-A | | | |
| DRAWN | BSHU | JUL./24th/24 | $\phi 12.7 \text{ mm}, f=150 \text{ mm}$ PLANO CONVEX LENS AR. COATING 400-700 nm | | | |
| APPROVAL | WCHENG | JUL./24th/24 | MATERIAL | WEIGHT | SCALE | REV |
| FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES | | | N-BK7 | 0.58 g | 5:1 | A |