



NOTES

1. MATERIAL: N-BK7
2. DESIGN WAVELENGTH: 587.6 nm
3. WORKING WAVELENGTH: 700 nm-1100 nm
4. FOCAL LENGTH: 300.0 mm
5. FOCAL LENGTH TOLERANCE(REF): $\pm 1\%$
6. BACK FOCAL LENGTH(REF): $bf=297.7$ mm
7. CLEAR APERTURE: $>90\%$ OF SURFACE LENGTH AND HEIGHT
8. DIAMETER TOLERANCE: $+0.0/-0.1$ mm
9. THICKNESS TOLERANCE: ± 0.2 mm
10. CHAMFER: < 0.2 mm, 45°
11. SURFACE QUALITY: 60/40 SCRATCH/DIG
12. SURFACE FLATNESS(S1): $\lambda/2$
13. SURFACE POWER(S2): $3\lambda/2$
14. SURFACE IRREGULARITY(S2): $\lambda/4(S2 H)$, $\lambda/4(S2 L)$
15. CENTRATION: ≤ 5 arcmin
16. AR COATING: $R_{avg} < 0.5\%$ @ 700 nm-1100 nm, 6° AOI

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|--|--------|--------------|---|--------|-------|-----|
| DRAWING PROJECTION | | | LBTEK | | | |
| | NAME | DATE | | | | |
| DRAWN | BSHU | JUL./29th/24 | <small>H x L = 30.0 mm x 32.0 mm, f = 300.0 mm PLANO CONVEX CYLINDRICAL LENS AR COATING 700-1100 nm</small> | | | |
| APPROVAL | WCHENG | JUL./29th/24 | MATERIAL | WEIGHT | SCALE | REV |
| FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES | | | N-BK7 | 8.37g | 2:1 | C |