



NOTES

1. DESIGN WAVELENGTH: 587.6 nm
2. OPERATION WAVELENGTH: 400 nm–1100 nm
3. DIAMETER TOLERANCE: $+0.0/-0.1\text{mm}$
4. THICKNESS TOLERANCE: $\pm 0.1\text{mm}$
5. FOCAL LENGTH: $f=200.7\text{mm}\pm 1\%$
6. BACK FOCAL LENGTH(REF): $bf=198.7\text{mm}$
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: $<3\text{arcmin}$
13. CHAMFER: $<0.2\text{mm}, 45^\circ$
14. COATING(S1, S2): AR COATING $R_{\text{avg}} < 1\% @ 400\text{nm}–1100\text{nm}$

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|--|--------|--------------|---|--------|-------|-----|
| DRAWING PROJECTION | | | LBTEK | | | |
| | NAME | DATE | | | | |
| DRAWN | BSHU | Feb. /3rd/24 | PLANO CONVEX LENS AR COATING 400–1100 nm | | | |
| APPROVAL | WCHENG | Feb. /3rd/24 | MATERIAL | WEIGHT | SCALE | REV |
| FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES | | | UVFS | 3.01 g | 2:1 | A |