



NOTES

1. DESIGN WAVELENGTH: 587.6 nm
2. OPERATION WAVELENGTH: 400 nm–1100 nm
3. DIAMETER TOLERANCE: +0.0/-0.1 mm
4. THICKNESS TOLERANCE: ±0.1 mm
5. FOCAL LENGTH: $f=301.1 \text{ mm} \pm 1\%$
6. BACK FOCAL LENGTH(REF): $bf=299.3 \text{ mm}$
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. AR COATING(S1, S2): $R_{avg} < 1\% @ 400 \text{ nm} - 1100 \text{ nm}$, 6° AOI, Single Surface

| | PART DESCRIPTION | MATERIAL |
|---|------------------|--------------------|
| ① | SM1-8A | ANODIZED ALUMINIUM |
| ② | CX20619-AB | UVFS |
| ③ | SM1R | ANODIZED ALUMINIUM |

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|--|--------|--------------|-------------------|--------|-------|-----|
| DRAWING PROJECTION | | | LBTEK | | | |
| | | | | | | |
| | NAME | DATE | MCX20619-AB | | | |
| DRAWN | SHAN | SEP./10th/25 | PLANO CONVEX LENS | | | |
| APPROVAL | WCHENG | SEP./10th/25 | MATERIAL | WEIGHT | SCALE | REV |
| FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES | | | UVFS | 8.73 g | 2:1 | A |