



NOTES

1. DESIGN WAVELENGTH: 587.6 nm
2. OPERATION WAVELENGTH: 245 nm-400 nm
3. DIAMETER TOLERANCE: +0.0/-0.1 mm
4. THICKNESS TOLERANCE: ±0.1 mm
5. FOCAL LENGTH: $f=150.5 \text{ mm} \pm 1\%$
6. BACK FOCAL LENGTH(REF): $bf=148.4 \text{ mm}$
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 $R_{avg} <0.5\% @ 245 \text{ nm}-400 \text{ nm}$

| | PART DESCRIPTION | MATERIAL |
|---|------------------|--------------------|
| ① | SM1-8A | ANODIZED ALUMINIUM |
| ② | CX20615-UV | UVFS |
| ③ | SM1R | ANODIZED ALUMINIUM |

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|--|--|--------|--|------------------------------------|--|--|--------|-------|-----|
| DRAWING PROJECTION | | | | <h1 style="color: red;">LBTEK</h1> | | | | | |
| | | | | | | | | | |
| | | NAME | | DATE | | MCX20615-UV | | | |
| DRAWN | | BSHU | | Aug. /12th/24 | | $\phi 25.4 \text{ mm}, f=150.5 \text{ mm}$ PLANO CONVEX LENS AR COATING 245-400 nm | | | |
| APPROVAL | | WCHENG | | Aug. /12th/24 | | MATERIAL | WEIGHT | SCALE | REV |
| FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES | | | | | | UVFS | 19.21g | 2:1 | B |