



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: $f=20.1$ mm $\pm 1\%$
6. BACK FOCAL LENGTH(REF): $bf=17.1$ mm
7. CLEAR APERTURE: $>90\%$ CA
8. SURFACE QUALITY(S/D)(S1,S2): 40/20
9. SURFACE FLATNESS(S1): $\lambda/2$ @ 632.8 nm
10. SURFACE POWER(S2): $3\lambda/2$ @ 632.8 nm
11. SURFACE IRREGULARITY(S2): $\lambda/4$ @ 632.8 nm
12. CENTRATION: <3 arcmin
13. CHAMFER: <0.2 mm, 45°
14. COATING(S1,S2): AR COATING $R_{avg} < 0.5\%$ @ 245 nm-400 nm

| | PART DESCRIPTION | MATERIAL |
|---|------------------|--------------------|
| ① | SM05-8A | ANODIZED ALUMINIUM |
| ② | CX20304-UV | UVFS |
| ③ | SM05R | ANODIZED ALUMINIUM |

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|--|--------|--------------|---|--------------|-------|-----|--|
| DRAWING PROJECTION | | | | LBTEK | | | |
| | NAME | DATE | MCX20304-UV | | | | |
| DRAWN | BSHU | Aug./12th/24 | $\phi 12.7$ mm, $f=20.1$ 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 | 3.64 g | 2:1 | B | |