



NOTES

1. DESIGN WAVELENGTH: 587.6 nm
2. OPERATION WAVELENGTH: 200 nm-8.0 μm
3. DIAMETER TOLERANCE: +0.0/-0.1 mm
4. THICKNESS TOLERANCE: ±0.1 mm
5. FOCAL LENGTH: f=750.0 mm±1%
6. BACK FOCAL LENGTH(REF): bf=748.4 mm
7. CLEAR APERTURE: >90%CA
8. SURFACE QUALITY(S/D)(S1.S2): 40/20
9. SURFACE FLATNESS(S1): λ/2 @ 632.8 nm
10. SURFACE POWER(S2): 3λ/2 @ 632.8 nm
11. SURFACE IRREGULARITY(S2): λ/4 @ 632.8 nm
12. CENTRATION: <3 arcmin
13. CHAMFER: <0.2 mm, 45°
14. COATING(S1,S2): UNCOATED

| | PART DESCRIPTION | MATERIAL |
|---|------------------|--------------------|
| ① | SM1-8A | ANODIZED ALUMINIUM |
| ② | CX70622 | CaF2 |
| ③ | SM1R | ANODIZED ALUMINIUM |

| | | | | | | | |
|--|--------|--------------|---|--------------|-------|-----|--|
| DRAWING PROJECTION | | | | LBTEK | | | |
| | NAME | DATE | MCX70622 | | | | |
| DRAWN | BSHU | Aug./12th/24 | Ø25.4 mm, f=750 mm PLANO CONVEX LENS UNCOATED | | | | |
| APPROVAL | WCHENG | Aug./12th/24 | MATERIAL | WEIGHT | SCALE | REV | |
| FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES | | | CaF2 | 23.08g | 2:1 | B | |