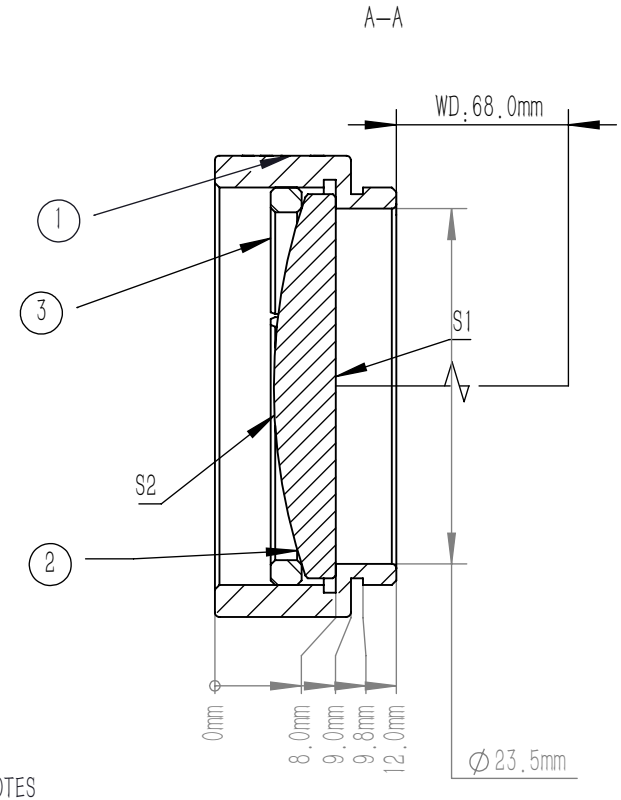


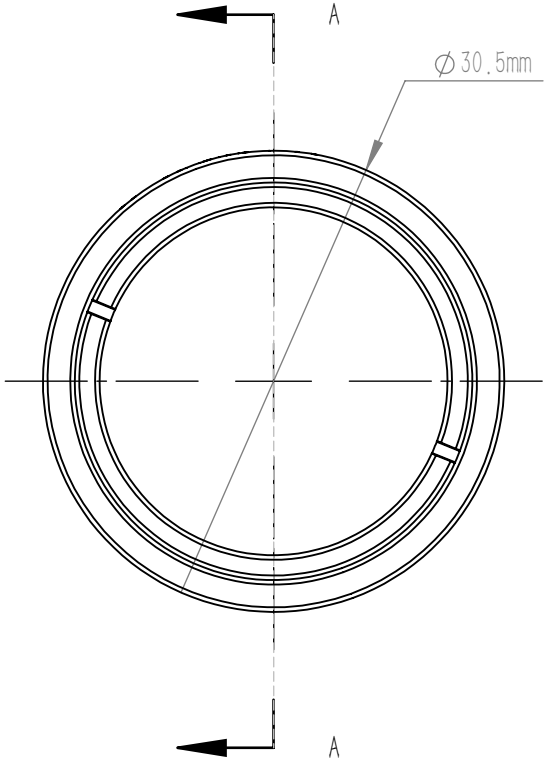

NOTES

1. DESIGN WAVELENGTH: 587.6 nm
2. OPERATION WAVELENGTH: 400 nm–700 nm
3. DIAMETER TOLERANCE: +0.0/–0.1 mm
4. THICKNESS TOLERANCE: ±0.1 mm
5. FOCAL LENGTH: f=75.0 mm±1%
6. BACK FOCAL LENGTH(REF): bf=72.0 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): AR COATING Ravg <0.5% @ 400 nm–700 nm

| | PARTDESCRIPTION | MATERIAL |
|---|---|---|
| 1 | SM1–8A | ANODIZED ALUMINIUM |
| 2 | CX106112–A | N–BK7 |
| 3 | SM1R | ANODIZED ALUMINIUM |

| | | | | | | |
|---|---|---|---|---|---|---|
| DRAWING PROJECTION | | | LBTEK | | | |
| | NAME | DATE | MCX10612–A | | | |
| DRAWN | BSHU | Aug./19th/24 | ∅25.4 mm,f=75 mm<br>PLANO CONVEX LENS<br>AR COATING 400–700 nm | | | |
| APPROVAL | WCHENG | Aug./19th/24 | MATERIAL | WEIGHT | SCALE | REV |
| FOR INFORMATION ONLY<br>NOT FOR MANUFACTURING PURPOSES | | | N–BK7 | 19.44g | 2:1 | B |