



NOTES:

1. DESIGN WAVELENGTH: 587.6 nm
2. OPERATION WAVELENGTH: 400-1100 nm
3. DIAMETER TOLERANCE: $+0.0/-0.1\text{ mm}$
4. THKKNSS TOLERANCE: $\pm 0.1\text{ mm}$
5. FOCAL LENGTH: $f=40.1\text{ mm} \pm 1\%$
6. BACK FOCAL LENGTH(REF): $bf=38.1\text{ mm}$
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 RREGULARITY(S2): $\lambda/4 @ 632.8\text{ nm}$
12. CENTRATION: $<3\text{ arcmin}$
13. CHAMFER: $<0.2\text{mm}, 45^\circ$
14. AR COATNG(S1.S2): $R_{avg}<1\% @ 400-1100\text{ nm}$ (6° AOI , single)

| | PART DESCRIPTION | MATERIAL |
|---|------------------|--------------------|
| ① | SM05-8A | ANODIZED ALUMINIUM |
| ② | CX20309-AB | UVFS |
| ③ | SM05R | ANODIZED ALUMINIUM |

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|--|------|--------------|-------------------|--------------|-------|-----|--|
| DRAWING PROJECTION | | | | LBTEK | | | |
| | NAME | DATE | MCX20309-AB | | | | |
| DRAWN | AGAO | MAY./20th/25 | PLANO CONVEX LENS | | | | |
| APPROVAL | SHAN | MAY./20th/25 | MATERIAL | WEIGHT | SCALE | REV | |
| FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES | | | N/A | 3.91g | 3:1 | A | |