



SECTION A-A

NOTES/SPECIFICATIONS:

1. DESIGN WAVELENGTH: 587.6 nm
2. FOCAL LENGTH: $f = -100.3 \text{ mm} \pm 1\%$
3. BACK FOCAL LENGTH(REF): $bf = -102.7 \text{ mm}$
4. CLEAR APERTURE: $> \text{Ø} 22.86 \text{ mm}$
5. SURFACE QUALITY: 20-10 SCRATCH-DIG
6. CENTRATION: $\leq 3 \text{ arcmin}$
7. DIAMETER TOLERANCE: $+0.0/-0.1 \text{ mm}$
8. THICKNESS TOLERANCE: $\pm 0.1 \text{ mm}$
9. SURFACE IRREGULARITY: $\leq \lambda/4, @633 \text{ nm}$
10. PLANO SURFACE FLATNESS: $\leq \lambda/2, @633 \text{ nm}$
11. SPHERICAL SURFACE POWER: $\leq 3\lambda/2, @633 \text{ nm}$
12. COATING(S1,S2): VAR R<0.25% PER SURFACE FOR 532 nm & 1064 nm, 0° AOI

FOR INFORMATION ONLY
NOT FOR MANUFACTURING PURPOSES

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|---|------|---|---|----------|-------|-----|
| DRAWING PROJECTION | |  |  | | | |
| | NAME | DATE | UVFS PCC Lens, D25.4, F= -100 mm, 532/1064 nm V-Coating | | | |
| DRAWN | CWD | 2022/5/18 | PC4254—100-YAG | | | |
| APPROVAL | ZSB | 2022/5/18 | MATERIAL | WEIGHT | SCALE | REV |
| FOR INFORMATION ONLYNOT FOR MANUFACTURING PURPOSES | | | UV FUSED SILICA | 0.0049kg | | A |