



SECTION A-A

NOTES/SPECIFICATIONS:

- DESIGN WAVELENGTH: 587.6 nm
- FOCAL LENGTH: $f = -75.3\text{ mm} \pm 1\%$
- BACK FOCAL LENGTH(REF): $bf = -77.7\text{ mm}$
- CLEAR APERTURE: $> \text{Ø } 22.86\text{ mm}$
- SURFACE QUALITY: 20-10 SCRATCH-DIG
- CENTRATION: $\leq 3\text{ arcmin}$
- DIAMETER TOLERANCE: $+0.0/-0.1\text{ mm}$
- THICKNESS TOLERANCE: $\pm 0.1\text{ mm}$
- SURFACE IRREGULARITY: $\leq \lambda/4$, @633 nm
- PLANO SURFACE FLATNESS: $\leq \lambda/2$, @633 nm
- SPHERICAL SURFACE POWER: $\leq 3\lambda/2$, @633 nm
- COATING(S1,S2): VAR R<0.25% PER SURFACE FOR 532 nm, 0° AOI

FOR INFORMATION ONLY
NOT FOR MANUFACTURING PURPOSES

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|---|------|---|---|----------|-------|-----|
| DRAWING PROJECTION | |  |  | | | |
| | NAME | DATE | UVFS PCC Lens, D25.4, F=-75 mm, 532 nm V-Coating | | | |
| DRAWN | CWD | 2022/5/18 | PC4254--75-532 | | | |
| APPROVAL | ZSB | 2022/5/18 | MATERIAL | WEIGHT | SCALE | REV |
| FOR INFORMATION ONLYNOT FOR MANUFACTURING PURPOSES | | | UV FUSED SILICA | 0.0052kg | | A |