


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): $bf=99.0 \text{ mm}$
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 nm
10. SPHERICAL SURFACE POWER: $\leq 3\lambda/2$, @633 nm
11. COATING(S1,S2): VAR R<0.25% PER SURFACE FOR 1550 nm, 0° AOI

FOR INFORMATION ONLY
NOT FOR MANUFACTURING PURPOSES

DRAWING PROJECTION						
	NAME	DATE	F=100.0mm, D25.4 UVFS Bi-Convex Lens, 1550nm coating			
DRAWN	CWD	2022/5/18	EX4254-100-1550			
APPROVAL	ZSB	2022/5/18	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			UV FUSED SILICA	0.0032kg	1:1	A