



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:  $> \varnothing 22.86 \text{ mm}$
5. SURFACE QUALITY: 40-20 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): BBAR  $R_{avg} < 0.5\%$  FOR 650 nm-1050 nm,  $0^\circ$  AOI

FOR INFORMATION ONLY  
NOT FOR MANUFACTURING PURPOSES

DRAWING PROJECTION						
	NAME	DATE	UVFS PCC Lens, D25.4, F= -100 mm, B Coated			
DRAWN	CWD	2022/5/18	PC4254--100-B			
APPROVAL	ZSB	2022/5/18	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			UV FUSED SILICA	0.0049kg		A