



SECTION A-A

NOTES/SPECIFICATIONS:

1. DESIGN WAVELENGTH: 587.6 nm
2. FOCAL LENGTH: $f = -20.1 \text{ mm} \pm 1\%$
3. BACK FOCAL LENGTH(REF): $bf = -21.4 \text{ mm}$
4. CLEAR APERTURE: $> \text{Ø } 11.43 \text{ mm}$
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 $R_{\text{avg}} < 0.5\%$ FOR 350 nm-700 nm, 0° AOI

FOR INFORMATION ONLY
NOT FOR MANUFACTURING PURPOSES

DRAWING PROJECTION						
	NAME	DATE	UVFS PCC Lens, D12.7, F= -20 mm, A Coated			
DRAWN	CWD	2022/5/18	PC4127--20-A			
APPROVAL	ZSB	2022/5/18	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLYNOT FOR MANUFACTURING PURPOSES			UV FUSED SILICA	0.0009kg		A