



SECTION A-A

NOTES/SPECIFICATIONS:

1. DESIGN WAVELENGTH: 587.6 nm
2. FOCAL LENGTH:  $f = -75.3 \text{ mm} \pm 1\%$
3. BACK FOCAL LENGTH(REF):  $bf = -77.7 \text{ mm}$
4. CLEAR APERTURE:  $> \text{Ø } 11.43 \text{ mm}$
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,  $0^\circ \text{ AOI}$

FOR INFORMATION ONLY  
NOT FOR MANUFACTURING PURPOSES

DRAWING PROJECTION							
	NAME	DATE	UVFS PCC Lens, D12.7, F= -75 mm, 532/1064 nm V-Coating				
DRAWN	CWD	2022/5/18	PC4127--75-YAG				
APPROVAL	ZSB	2022/5/18	MATERIAL	WEIGHT	SCALE	REV	
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			UV FUSED SILICA	0.0011kg		A	