



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:  $> \varnothing 11.43 \text{ mm}$
- SURFACE QUALITY: 40-20 SCRATCH-DIG
- CENTRATION:  $\leq 3 \text{ arcmin}$
- DIAMETER TOLERANCE:  $+0.0/-0.1 \text{ mm}$
- THICKNESS TOLERANCE:  $\pm 0.1 \text{ mm}$
- SURFACE IRREGULARITY:  $\leq \lambda/4, @633 \text{ nm}$
- PLANO SURFACE FLATNESS:  $\leq \lambda/2, @633 \text{ nm}$
- SPHERICAL SURFACE POWER:  $\leq 3\lambda/2, @633 \text{ nm}$
- COATING(S1,S2): BBAR  $R_{avg} < 0.5\%$  FOR 350 nm-700 nm,  $0^\circ \text{ AOI}$

FOR INFORMATION ONLY  
NOT FOR MANUFACTURING PURPOSES

DRAWING PROJECTION							
	NAME	DATE	UVFS PCC Lens, D12.7, F= -75 mm, A Coated				
DRAWN	CWD	2022/5/18	PC4127--75-A				
APPROVAL	ZSB	2022/5/18	MATERIAL	WEIGHT	SCALE	REV	
FOR INFORMATION ONLYNOT FOR MANUFACTURING PURPOSES			UV FUSED SILICA	0.0011kg		A	