



SECTION A-A

NOTES/SPECIFICATIONS:

1. DESIGN WAVELENGTH: 587.6 nm
2. FOCAL LENGTH: $f = -30.1 \text{ mm} \pm 1\%$
3. BACK FOCAL LENGTH(REF): $bf = -32.2 \text{ mm}$
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 nm
10. PLANO SURFACE FLATNESS: $\leq \lambda/2$, @633 nm
11. SPHERICAL SURFACE POWER: $\leq 3\lambda/2$, @633 nm
12. COATING(S1,S2): BBAR $R_{avg} < 0.5\%$ FROM 1050 nm-1700 nm, 0° AOI

FOR INFORMATION ONLY
NOT FOR MANUFACTURING PURPOSES

DRAWING PROJECTION						
	NAME	DATE	D25.4mm F=-30mm UVFS C Coated Plano Concave Lens			
DRAWN	CWD	2022/5/18	PC4254--30-C			
APPROVAL	ZSB	2022/5/18	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			UV GRADE FUSED SILICA	0.0074kg		C