

NOTES:UNLESS OTHERWISE SPECIFIED

1. -OAI- IS THE THEORETICAL OPTIC AXIS OF THE FIRST SURFACE.

2. ASPHERIC SURFACES ARE DEFINED BY:

$$z(r) = \frac{r^2/R_c}{1 + \sqrt{1 - (1 + K)(r/R_c)^2}} + \sum_i A_{2i}r^{2i}$$

WHERE: r = RADIAL DISTANCE FROM VERTEX IN mm

3. SURFACE DEFINITIONS:

	SURFACE 1	SURFACE 2
TYPE	ASPHERE	PLANO
SHAPE	CX	PL
CA	Ø23.00	Ø22.00
R _C	25.560000	0.000000
K	-1.010000	0.000000
A ₂	0.000000E0	0.000000E0
A ₄	3.270396E-6	0.000000E0
A ₆	7.720534E-10	0.000000E0
A ₈	1.630473E-13	0.000000E0
A ₁₀	0.000000E0	0.000000E0
A ₁₂	0.000000E0	0.000000E0
A ₁₄	0.000000E0	0.000000E0
A ₁₆	0.000000E0	0.000000E0

4. NOMINAL DESIGN PARAMETERS:

DESIGN WAVELENGTH	780 nm
W.D.	46.0 mm
N.A.	0.23
E.F.L.	50.0mm ± 1.0%

5. FEATURES IDENTIFIED AS Ⓔ ARE CRITICAL CHARACTERISTICS.
CRITICAL CHARACTERISTICS ARE GUARANTEED IN PRODUCTION.

6. THIS ELEMENT MUST THE SCRATCH/DIG REQUIREMENTS ACROSS THE FULL CLEAR
APERTURES INDICATED, BOTH SIDES, PER LIGHTPATH PWI INS-8.2-05P6.Ⓔ

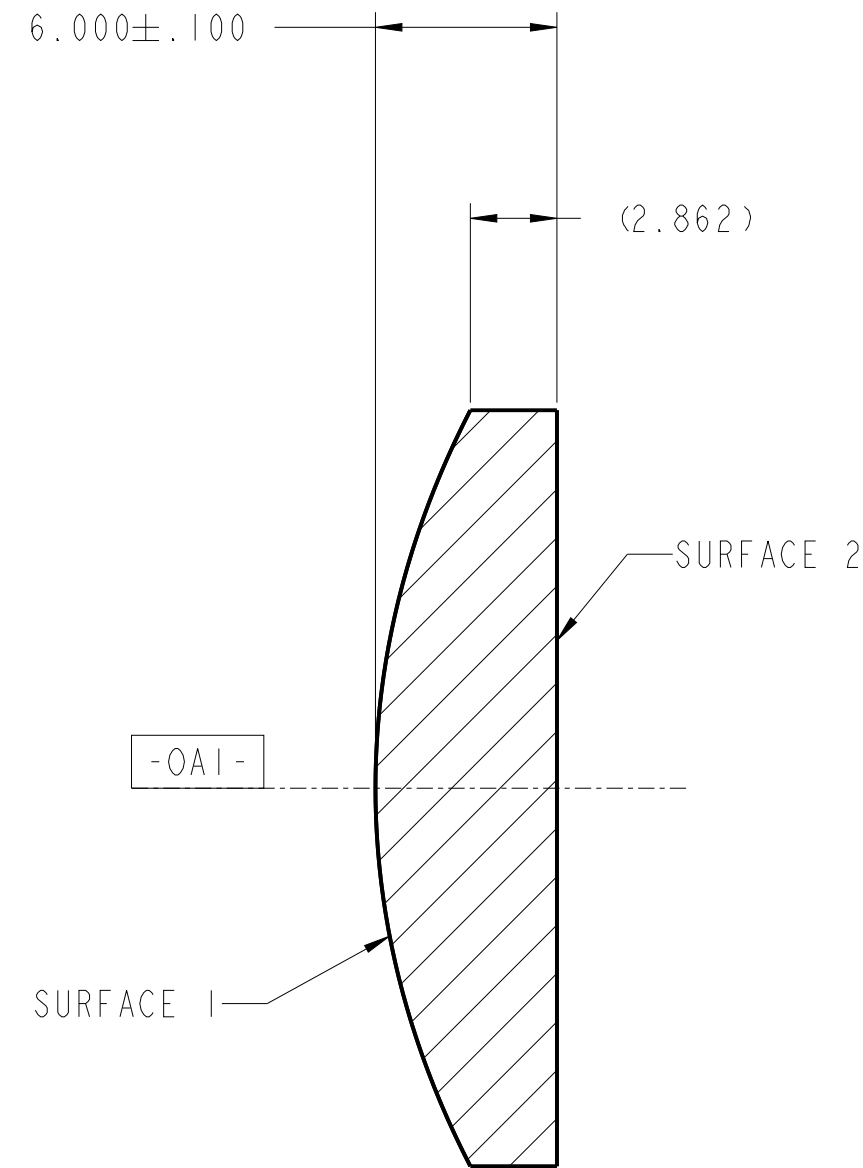
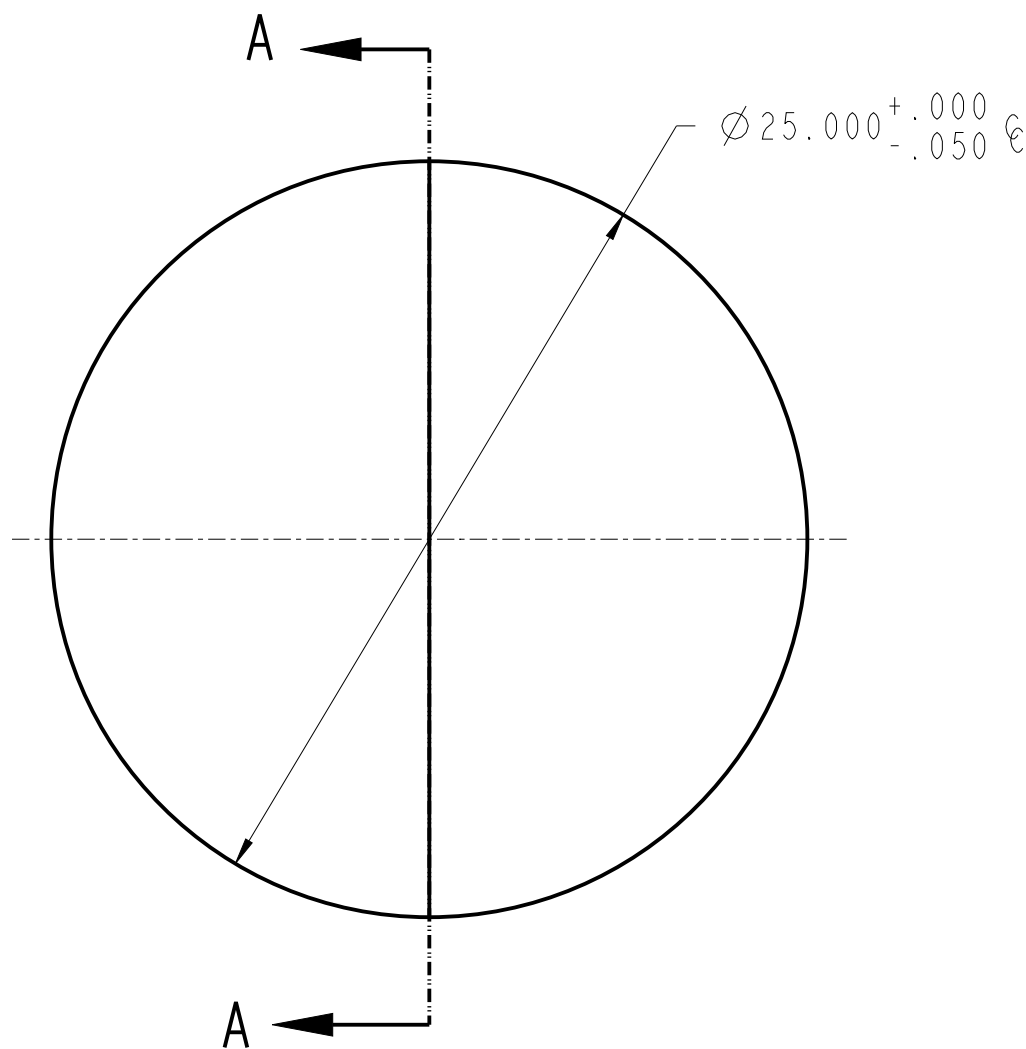
-00: S/D: 40/20

7. SAG DEVIATION (POWER)(SI): ±7.5µm

8. RMS IRREGULARITY (SI):<3 FRINGES

9. CENTRATION:<3 arcmin

REVISION HISTORY				
REV	DCO	DESCRIPTION	DATE	INITIALS
A	XXXX	INITIAL RELEASE	XX/XX/XX	YCW



SECTION A - A

PRELIMINARY
NOT FOR MANUFACTURE



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM. DECIMAL TOLERANCES ARE: .X ± 0.25 .XX ± 0.10 .XXX ± 0.025 .XXXX ± 0.013 ANGLES: ± 0.5°		<div>LightPath Technologies</div> <div>CUSTOM OPTICAL SOLUTIONS</div>		PROPRIETARY INFORMATION THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF LIGHTPATH TECHNOLOGIES AND IS NOT TO BE DISCLOSED OR REPRODUCED IN WHOLE OR PART, OR USED FOR MANUFACTURING FOR ANYONE OTHER THAN LIGHTPATH TECHNOLOGIES WITHOUT ITS WRITTEN CONSENT. NO RIGHT IS GRANTED TO DISCLOSE OR USE ANY INFORMATION CONTAINED IN SAID DOCUMENT.	
DRAWN YCW\ZJ				TITLE LENS CODE 372900	
MATERIAL D-K9	SIZE A2	DWG NO 0372900		REV A	
SOFTWARE Pro/ENGINEER	SCALE: 4.00	THIRD ANGLE PROJECTION 		SHEET 1 OF 1	