

NOTES: UNLESS OTHERWISE SPECIFIED

1. -OAI- IS THE THEORETICAL OPTIC AXIS OF THE FIRST OPTIC 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	Ø 5.00	Ø 3.87
R _C	4.828001	PLANO
K	-0.247047	0.000000
A ₂	0.000000E0	0.000000E0
A ₄	-1.317047E-3	0.000000E0
A ₆	-5.948087E-5	0.000000E0
A ₈	1.237839E-6	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:

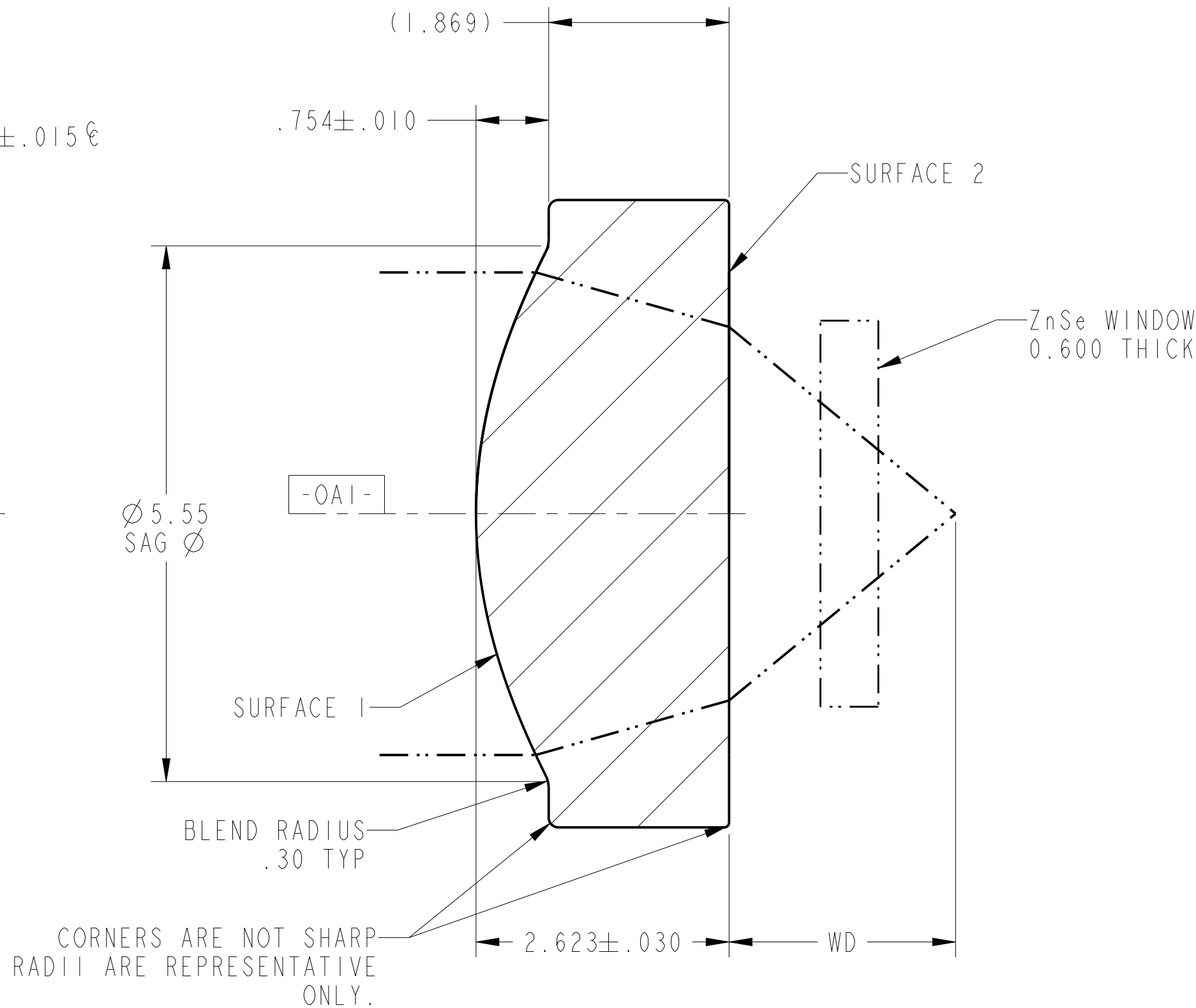
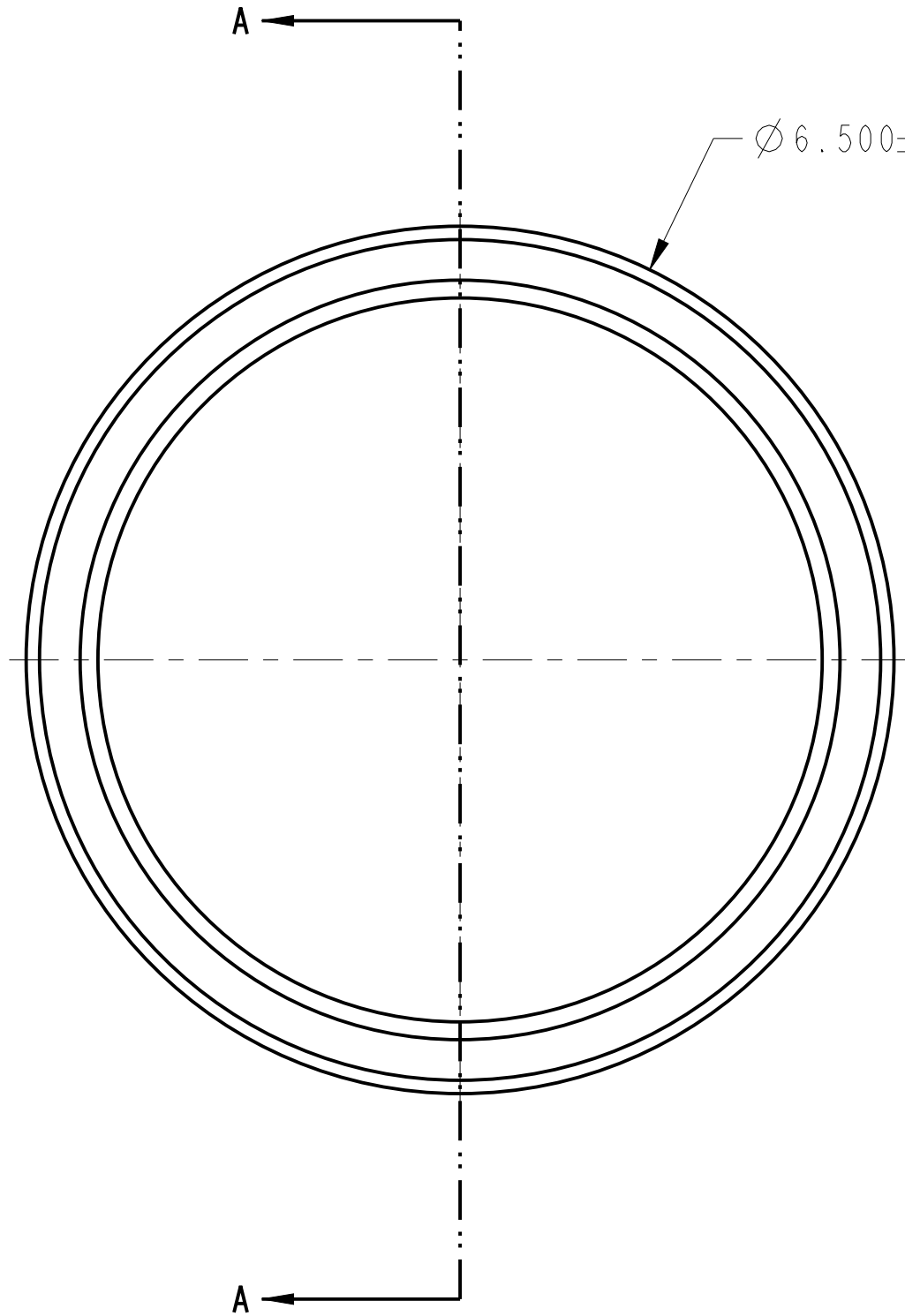
DESIGN WAVELENGTH	7800 nm
W.D.	2.35 mm
N.A.	0.71
E.F.L.	3.0mm

5. FEATURES IDENTIFIED AS Ⓢ ARE CRITICAL CHARACTERISTICS. CRITICAL CHARACTERSTICS ARE GUARANTEED IN PRODUCTION.
6. THIS ELEMENT MUST MEET THE SCRATCH/DIG REQUIREMENTS ACROSS THE FULL CLEAR APERTURES INDICATED, BOTH SIDES, PER LIGHTPATH PWI INS-8.2-05P6.Ⓢ
-00: S/D: 80/50, DEFECTS <10 MICRONS ARE IGNORED.

7 SET BY TOLERANCES OF PRESS TOOLING. SPECIFICATION NOT MEASURED DIRECTLY.

	RADIUS ERROR	IRREGULARITY	CENTRATION TO OD 7	TILT TO OD 7
S1	±0.007 mm	< 316.5 nm PV < 105.5 nm RMS	< 0.007 mm	< 0.6 mrad
S2	N/A			

REVISION HISTORY				
REV	DCO	DESCRIPTION	DATE	INITIALS
A	5258	INITIAL RELEASE	11/02/12	IN
B	6486	DRAWING FORMAT UPDATED,	04/06/21	YK
		S/D NOTE, WINDOW NOTE UPDATED		



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°		LightPath TECHNOLOGIES 2603 CHALLENGER TECH CT. SUITE 100 ORLANDO, FL 32826		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.	
		TITLE LENS CODE 390093			
DRAWN IN\ORL	SIZE A2	DWG NO 0390093		REV B	
MATERIAL BD2 (m)	SCALE: 20.00	THIRD ANGLE PROJECTION 		SHEET 1 OF 1	
SOFTWARE Pro/ENGINEER					