

B

A

D

E

F

NOTES: UNLESS OTHERWISE SPECIFIED

1. -OAI- IS THE THEORETICAL OPTIC AXIS OF THE FIRST OPTIC SURFACE.
2. ASPHERIC SURFACES ARE DEFINED BY:

$$Z(Y)=\frac{Y^2}{R*(1+[1-(1+K)*Y^2/R^2]^{0.5})} + A_2*Y^2 + A_4*Y^4 + A_6*Y^6 + A_8*Y^8 + A_{10}*Y^{10} + A_{12}*Y^{12} + A_{14}*Y^{14} + A_{16}*Y^{16}$$

WHERE: Y= RADIAL DISTANCE FROM VERTEX IN mm

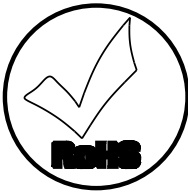
3. SURFACE DEFINITIONS:

	SURFACE 1	SURFACE 2
TYPE	ASPHERE	PLANO
SHAPE	CX	PL
CA	Ø0.80	Ø0.70
R _C	1.544742	PLANO
K	-1.000000	0.000000
A ₂	0.000000E0	0.000000E0
A ₄	1.209309E-2	0.000000E0
A ₆	-3.839955E-4	0.000000E0
A ₈	0.000000E0	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

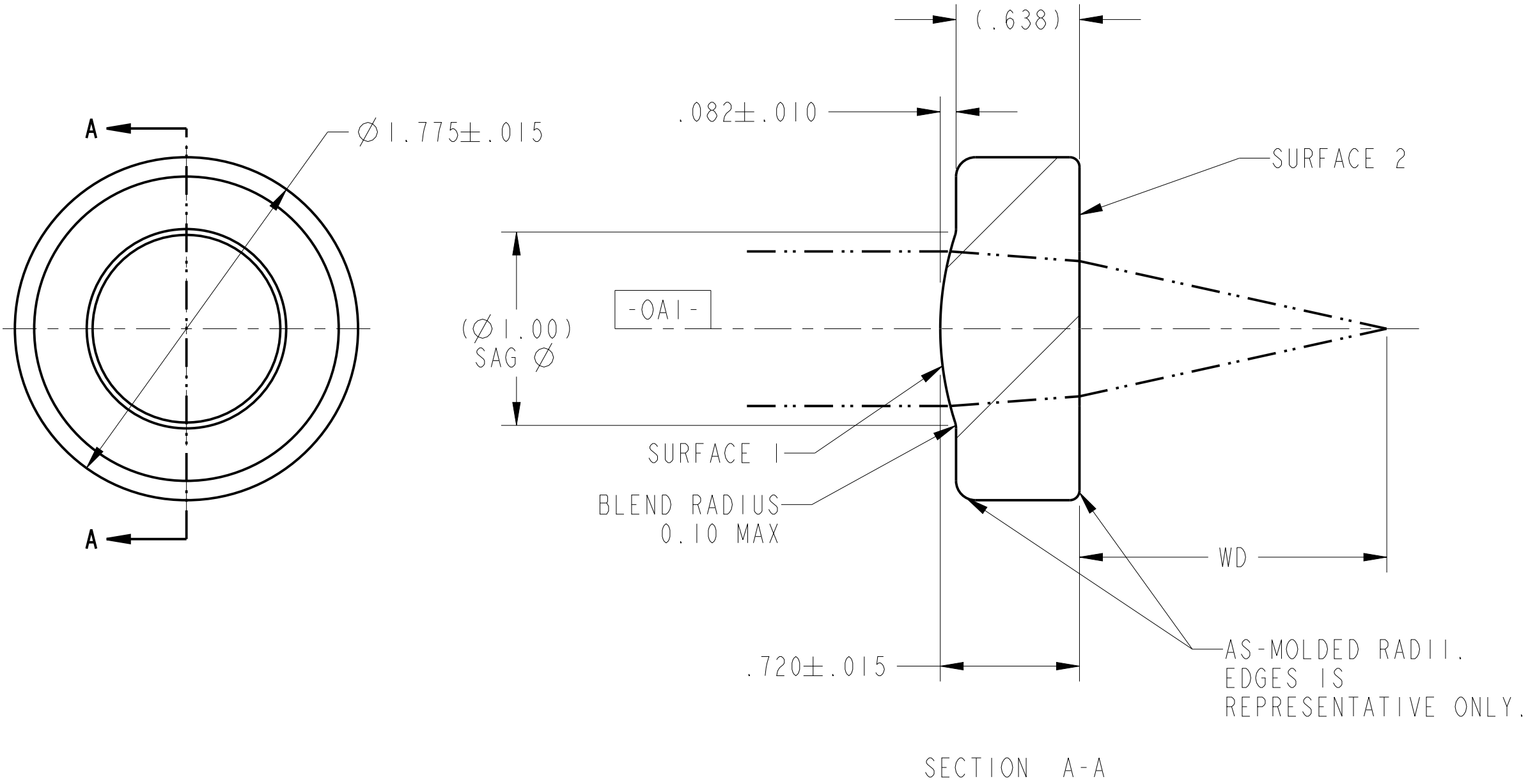
4. NOMINAL DESIGN PARAMETERS:

DESIGN WAVELENGTH	1585 mm
W.D.	1.59 mm
N.A.	0.2
E.F.L.	2.0 mm

5. FEATURES IDENTIFIED AS C ARE CRITICAL CHARACTERISTICS. CRITICAL CHARACTERISTICS ARE GUARANTEED.
6. THIS ELEMENT MUST MEET THE SCRATCH/DIG REQUIREMENTS ACROSS THE FULL CLEAR APERTURES INDICATED, BOTH SIDES, PER LIGHTPATH PWI INS-8.2-05P3. C
-00: S/D : 40/20
7. THIS ELEMENT IS USED AS A COLLIMATING LENS. WAVEFRONT ERROR: <0.178 WAVES RMS @ 633 nm. PER LIGHTPATH PWI INS-8.2-03.C



REVISION HISTORY				
REV	DCO	DESCRIPTION	DATE	INITIALS
A	4186	QUALIFIED RELEASE	06/16/15	DS



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.	
DRAWN DS\ORL				TITLE LENS CODE 355215	
MATERIAL D-ZLAF52LA	SIZE A2	DWG NO 0355215		REV A	
SOFTWARE Pro/ENGINEER	SCALE: 40.00	THIRD ANGLE PROJECTION 		SHEET 1 OF 1	

DWG NO
0355215

REV
A