

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:

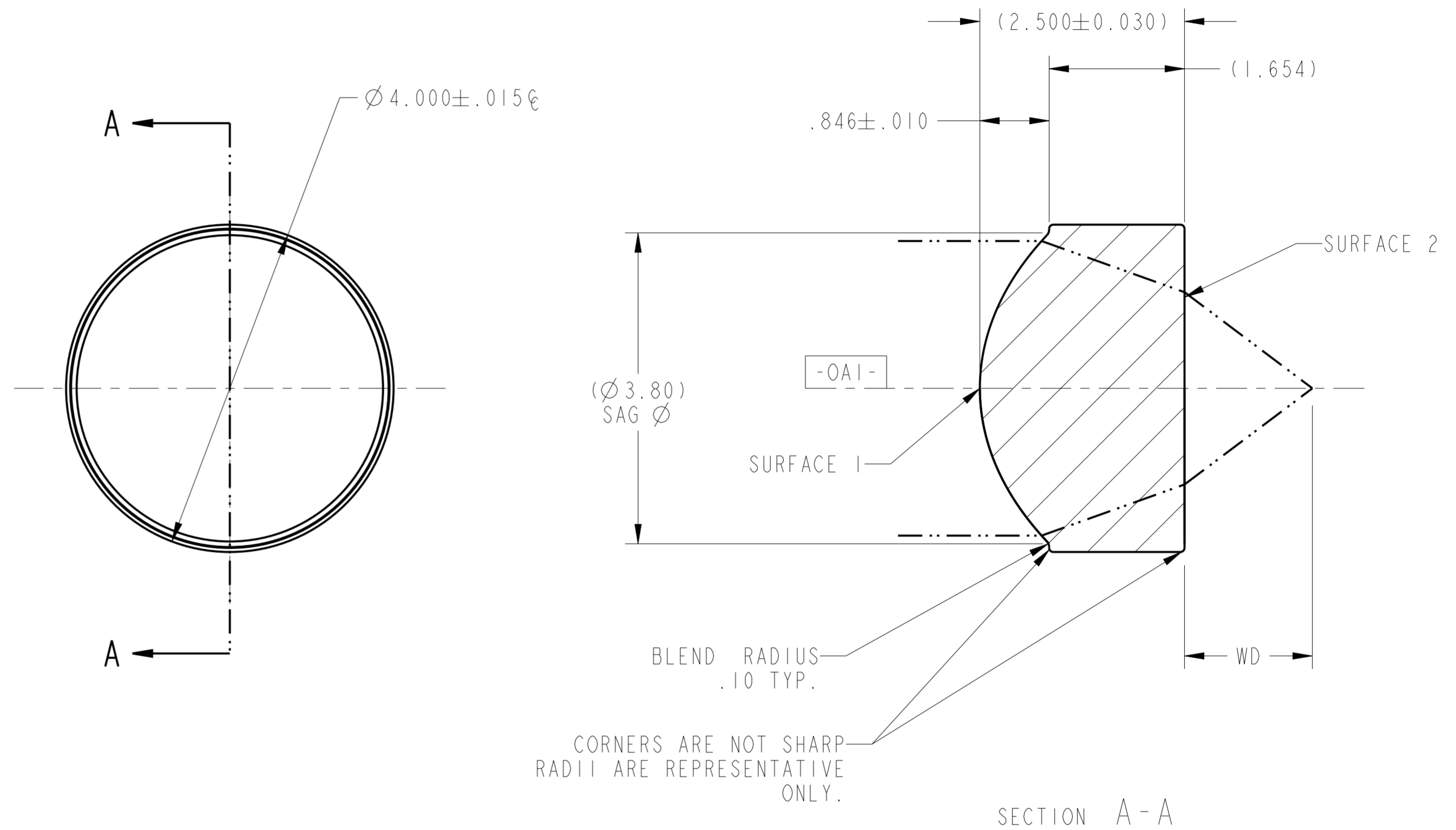
	SURFACE 1	SURFACE 2
TYPE	ASPHERE	PLANO
SHAPE	CX	PL
CA	Ø 3.60	Ø 2.35
R_c	2.305500	PLANO
K	-1.018000	0.000000
A_2	0.000000E0	0.000000E0
A_4	4.965900E-3	0.000000E0
A_6	5.916600E-5	0.000000E0
A_8	-2.273900E-6	0.000000E0
A_{10}	-2.128900E-6	0.000000E0
A_{12}	0.000000E0	0.000000E0
A_{14}	0.000000E0	0.000000E0
A_{16}	0.000000E0	0.000000E0

4. NOMINAL DESIGN PARAMETERS:

DESIGN WAVELENGTH	1550nm
W.D.	1.6 mm
N.A.	0.5
E.F.L.	3.0 ± 1.0%

5. FEATURES IDENTIFIED AS C ARE CRITICAL CHARACTERISTICS. CRITICAL CHARACTERISTICS 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. C
-00: S/D: 40/20.
7. THIS ELEMENT IS USED AS A COLLIMATING LENS.
WAVEFRONT ERROR: < 0.20 WAVES RMS @ 632.8nm
PER LIGHTPATH PWI INS-8.2-03. C

REVISION HISTORY				
REV	ECN	DESCRIPTION	DATE	INITIALS
A	2087	INITIAL RELEASE	04/20/09	AS
B	2339	CT TOL WAS ± 0.05, WAVEFRONT WAS .087	03/15/10	AS
C	4187	NEW CATALOG FORMAT	06/17/15	DS
D	4763	UPDATE TABLE NOTE 4	10/24/16	PL



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
AS\ORL

TITLE
LENS CODE 355660

MATERIAL
D-ZLAF52LA(m)

SIZE
A2

DWG NO
0355660

REV
D

SOFTWARE
Pro/ENGINEER

SCALE:
20.00

THIRD ANGLE PROJECTION

SHEET
1 OF 1

