NOTES: UNLESS OTHERWISE SPECIFIED

1. -OA1- IS THE THEORETICAL OPTIC AXIS OF THE FIRST OPTIC SURFACE.

	RADIUS ERROR	IRREGULARITY	CENTRATION TO OD [7]	TILT TO OD [7]
S1	±0.003 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	3305	INITIAL RELEASE	11/26/12	BA
B	6496	DRAWING FORMAT UPDATED S/D NOTE UPDATED	04/12/21	YK

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	Ø2.50	Ø2.17
R_C	1.618407	PLANO
K	-3.265366	0.000000
A_2	0.000000E0	0.000000E0
A_4	4.856021E-2	0.000000E0
A_6	-3.792354E-2	0.000000E0
A_8	1.722585E-2	0.000000E0
A_{10}	-4.786896E-3	0.000000E0
A_{12}	7.233559E-4	0.000000E0
A_{14}	-4.090971E-5	0.000000E0
A_{16}	0.000000E0	0.000000E0

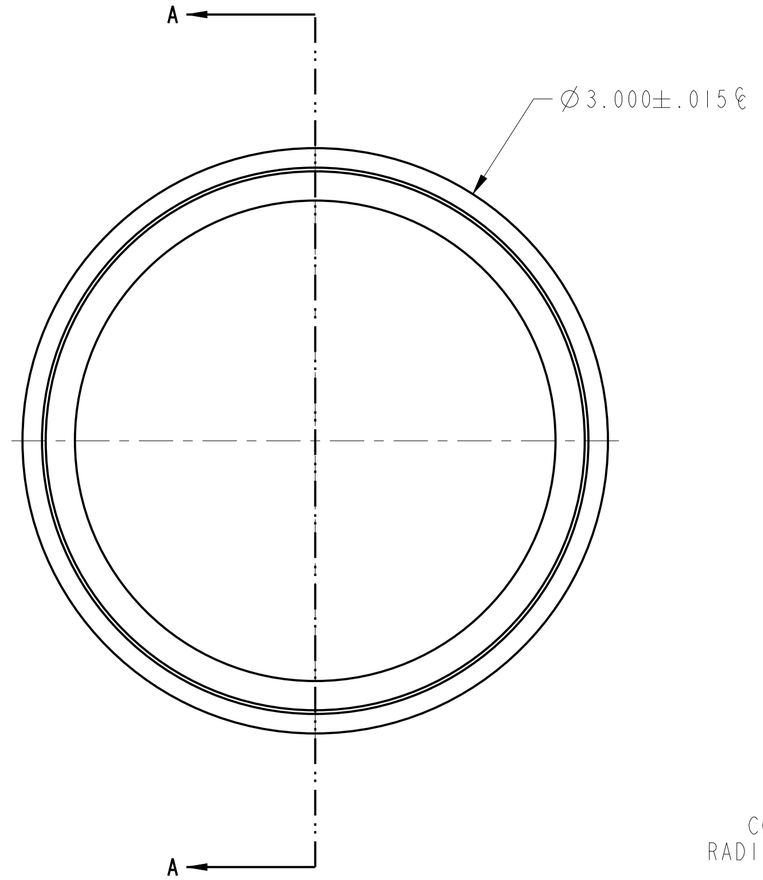
4. NOMINAL DESIGN PARAMETERS:

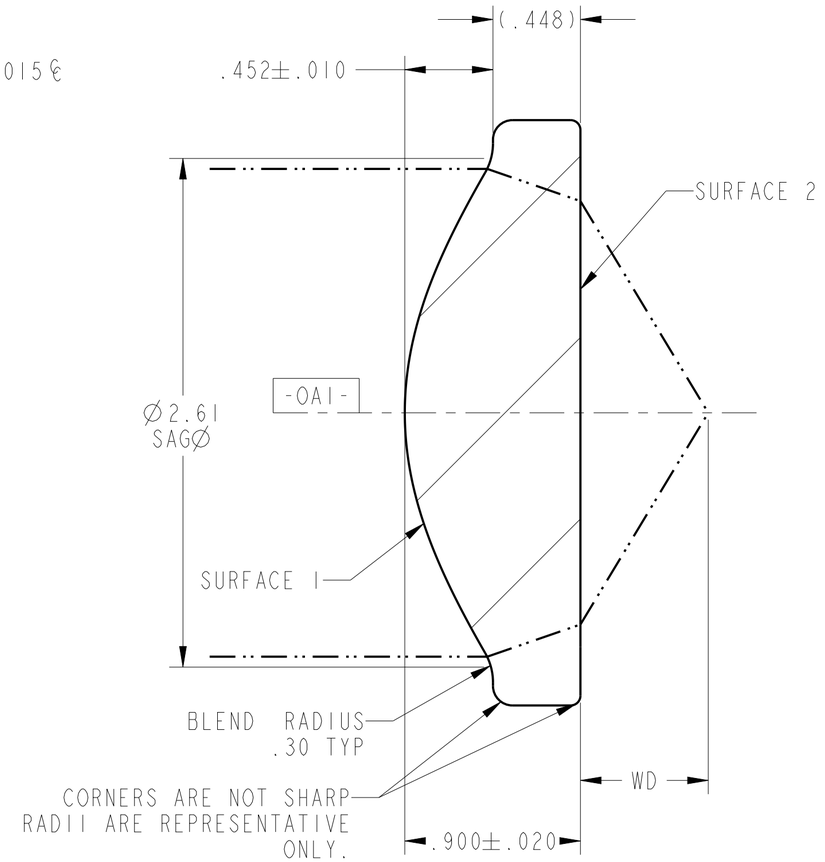
DESIGN WAVELENGTH	4200 nm
W.D.	0.66 mm
N.A.	0.86
E.F.L.	1.0mm

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.





SECTION A-A

RoHS

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°

DRAWN: BA\ORL

MATERIAL: BD2(m)

SOFTWARE: Pro/ENGINEER

LightPath TECHNOLOGIES
2603 CHALLENGER TECH CT. SUITE 100
ORLANDO, FL 32826

TITLE: LENS CODE 390029

SIZE: A2 | DWG NO: 0390029 | REV: B

SCALE: 45.00 | THIRD ANGLE PROJECTION | SHEET 1 OF 1

REV B | SH 1 | DWG NO 0390029