REVISION HISTORY				
REV	DCO	DESCRIPTION	DATE	INITIALS
1	4315	PRELIMINARY	10/28/15	DS
2	5382	OD TOLERANCE REDUCED FROM 0.015mm TO 0.005mm	05/21/18	CK

NOTES: UNLESS OTHERWISE SPECIFIED

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

2. -OA2- IS THE THEORETICAL OPTIC AXIS OF THE SECOND OPTIC SURFACE.

3. 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

4. SURFACE DEFINITIONS:

	SURFACE 1	SURFACE 2
TYPE	ASPHERE	ASPHERE
SHAPE	CX	CX
CA	Ø0.29	Ø0.48
R_C	0.407413	-0.254458
K	-0.999999	-0.999999
A_2	0.000000E0	0.000000E0
A_4	-2.614409E1	6.908514E-1
A_6	1.108892E3	-2.002126E1
A_8	-3.430374E3	8.539430E2
A_{10}	-1.439438E6	1.134031E2
A_{12}	-4.721004E8	-1.045863E5
A_{14}	3.880661E10	-7.951435E6
A_{16}	-7.699885E11	1.152536E8

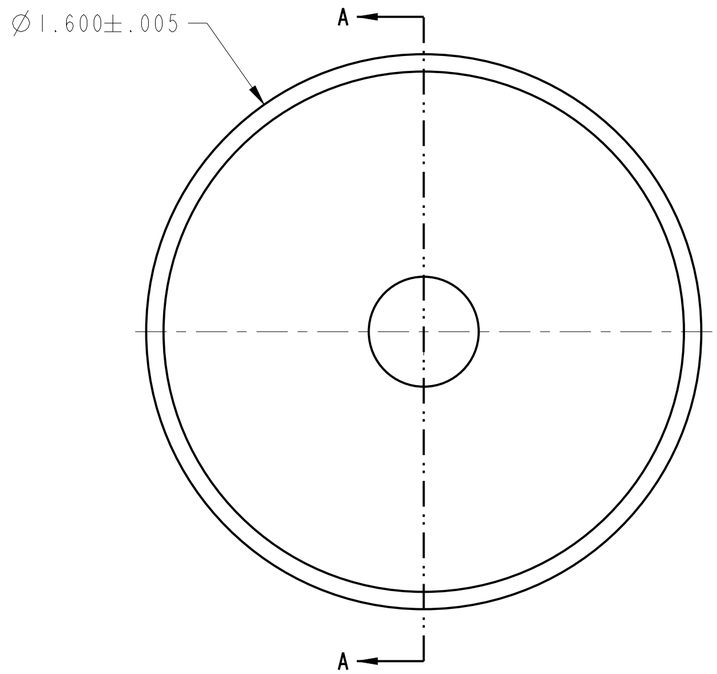
5. NOMINAL DESIGN PARAMETERS:

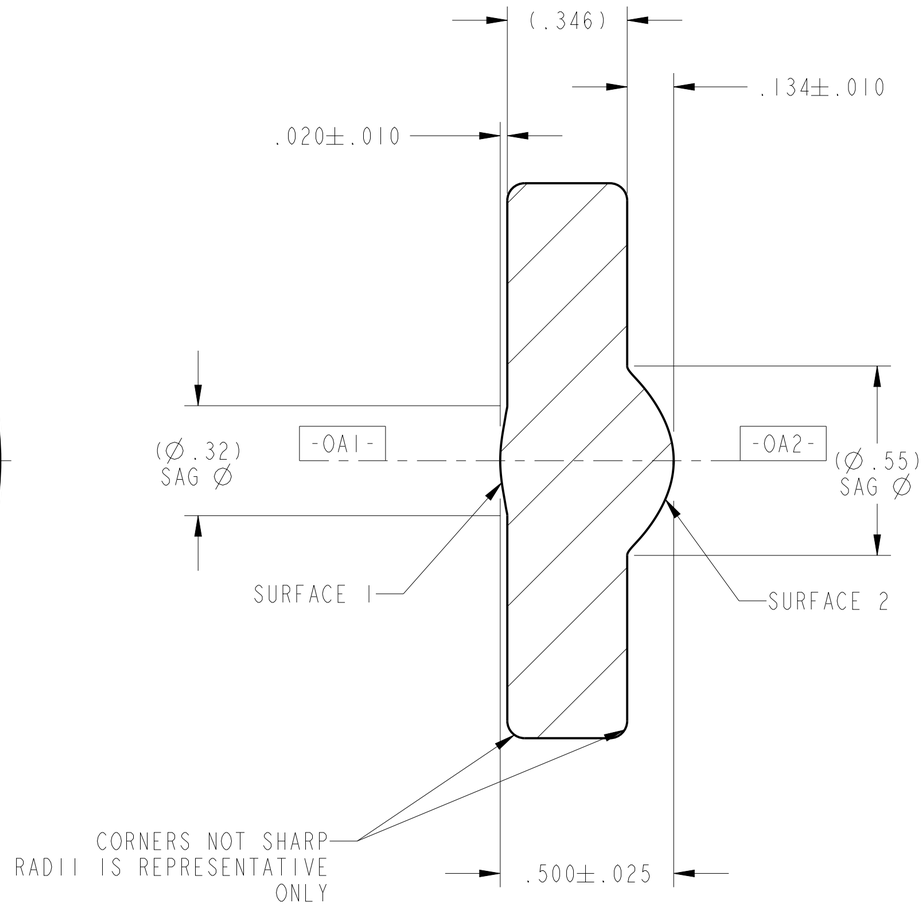
DESIGN WAVELENGTH	1300nm
FRONT W.D.	0.150mm
BACK W.D.	0.975mm
N.A.	0.65
E.F.L.	0.3mm

6. FEATURES IDENTIFIED AS Ⓒ ARE CRITICAL CHARACTERISTICS.
CRITICAL CHARACTERISTICS ARE GUARANTEED IN PRODUCTION.

7. 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: 40/20

8. THIS ELEMENT IS USED IN AN OBJECTIVE ASSEMBLY.
WAVEFRONT ERROR: <0.200 WAVES RMS @ 633nm TEST WAVELENGTH (PENDING VALIDATION IN QUALIFICATION) PER LIGHTPATH PWI INS-8.2-13.Ⓒ





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°	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 355104		
MATERIAL: D-ZLAF52LA(m)	SIZE: A2	DWG NO: 0355104	REV: 2
SOFTWARE: Pro/ENGINEER	SCALE: 80.00	THIRD ANGLE PROJECTION	SHEET: 1 OF 1

REV 2 | SH 1 | DWG NO 0355104