NOTES: UNLESS OTHERWISE SPECIFIED

1. -OA2- IS THE THEORETICAL OPTIC AXIS OF THE SECOND 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: Y= RADIAL DISTANCE FROM VERTEX IN mm

3. SURFACE DEFINITIONS:

	SURFACE 1	SURFACE 2
TYPE	PLANO	ASPHERE
SHAPE	PL	CX
CA	Ø0.37	Ø0.53
R_C	PLANO	-0.302875
K	0.000000	-0.620894
A_2	0.000000E0	0.000000E0
A_4	0.000000E0	5.062908E-1
A_6	0.000000E0	2.490958E0
A_8	0.000000E0	9.799836E0
A_{10}	0.000000E0	8.497688E1
A_{12}	0.000000E0	0.000000E0
A_{14}	0.000000E0	0.000000E0
A_{16}	0.000000E0	0.000000E0

4. NOMINAL DESIGN PARAMETERS.

DESIGN WAVELENGTH	1310 nm
W.D.	0.3/1.9 mm
N.A.	0.6/0.1
E.F.L.	0.4mm

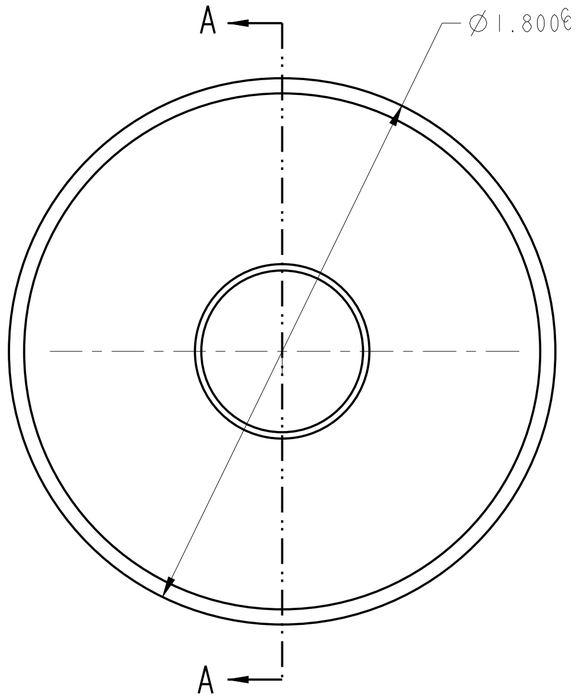
5. FEATURES IDENTIFIED AS Ⓒ ARE CRITICAL CHARACTERISTICS. CRITICAL CHARACTERISTICS ARE GUARANTEED IN PRODUCTION.

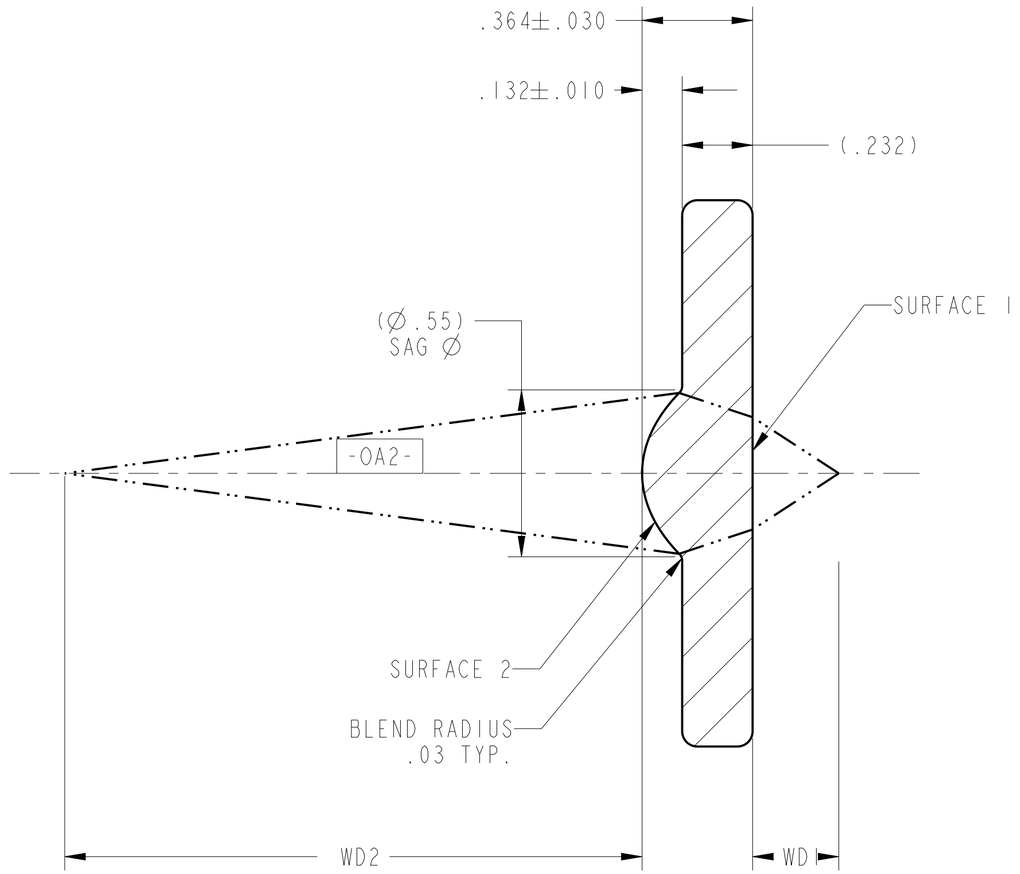
6. THIS ELEMENT MUST MEET THE SCRATCH/DIG REQUIREMENTS ACROSS THE FULL CLEAR APERTURES INDICATED, BOTH SIDES, PER LIGHTPATH PWI INS-8.2-05P6. Ⓒ
-00: S/D: 40/20

7. THIS ELEMENT IS USED AS A COUPLING LENS.
WAVEFRONT ERROR: @ 100% APERTURE < 0.080 WAVES RMS @ 632.8nm;
PER LIGHTPATH PWI INS-8.2-13Ⓒ

REVISION HISTORY

REV	DCO	DESCRIPTION	DATE	INITIALS
A	2383	INITIAL RELEASE	05/28/10	BAUZ
B	4387	UPDATED FORMAT	12/28/15	PL
B1		SAGØ WAS Ø.55, SAG DEPTH WAS .132, EDGE THICK WAS .232,BLEND RAD WAS .03	2/23/17	EF
C	5934	CHANGED DWG FROM DICED TO UNDICED	9/09/19	MPW
D	6589	SAG Ø WAS .61, NOW .55; SAG DEPTH WAS .164,NOW .132; BLEND RADIUS WAS .10, NOW .03	08/03/21	YK
E	6613	WAS (.132), NOW .132 +/-.010	08/30/21	YK





SECTION A-A

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: BAUZ\ORL

MATERIAL: D-ZLAF52LA

SOFTWARE: Pro/ENGINEER

RoHS

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 INFOMATION CONTAINED IN SAID DOCUMENT.

TITLE: LENS CODE 355631

SIZE: A2 | DWG NO: 0355631 | REV: E

SCALE: 70.00 | THIRD ANGLE PROJECTION | SHEET 1 OF 1

REV E | SH 1 | DWG NO 0355631