REVISION HISTORY				
REV	DCO	DESCRIPTION	DATE	INITIALS
A	5740	INITIAL RELEASE	03/20/19	MW

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.

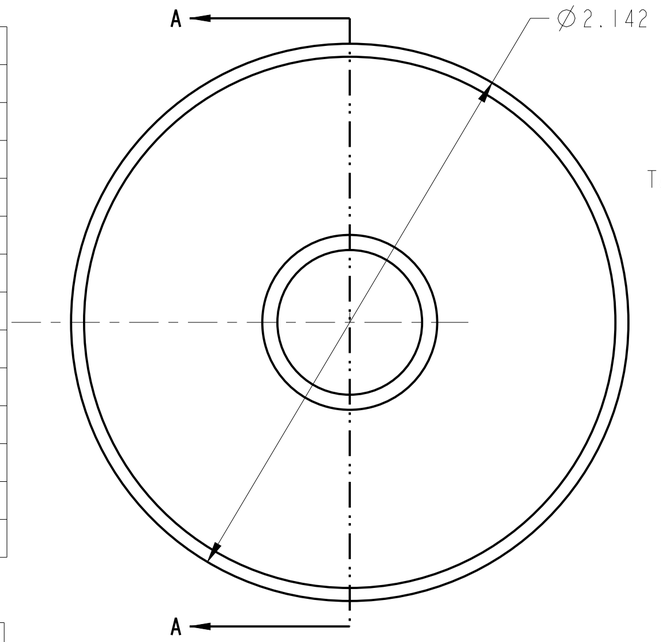
3. ASPHERIC SURFACES ARE DEFINED BY:

$$z(r) = \frac{r^2/R_c}{1+\sqrt{1-(1+K)(r/R_c)^2}} + \sum_i A_{2i} r^{2i}$$

WHERE: r = RADIAL DISTANCE FROM VERTEX IN mm

4. SURFACE DEFINITIONS:

	SURFACE 1	SURFACE 2
TYPE	ASPHERE	ASPHERE
SHAPE	CX	CX
CA	∅0.50	∅0.70
R_C	0.383651	-0.515253
K	-1.000000	-1.000000
A_2	0.000000E0	0.000000E0
A_4	-8.623920E0	7.810980E-1
A_6	5.526110E1	3.704790E0
A_8	-5.201330E1	-1.880430E1
A_{10}	-4.404540E3	-3.554270E2
A_{12}	6.325370E4	2.527640E3
A_{14}	-3.423720E5	-4.519010E3
A_{16}	6.662210E5	1.332210E3

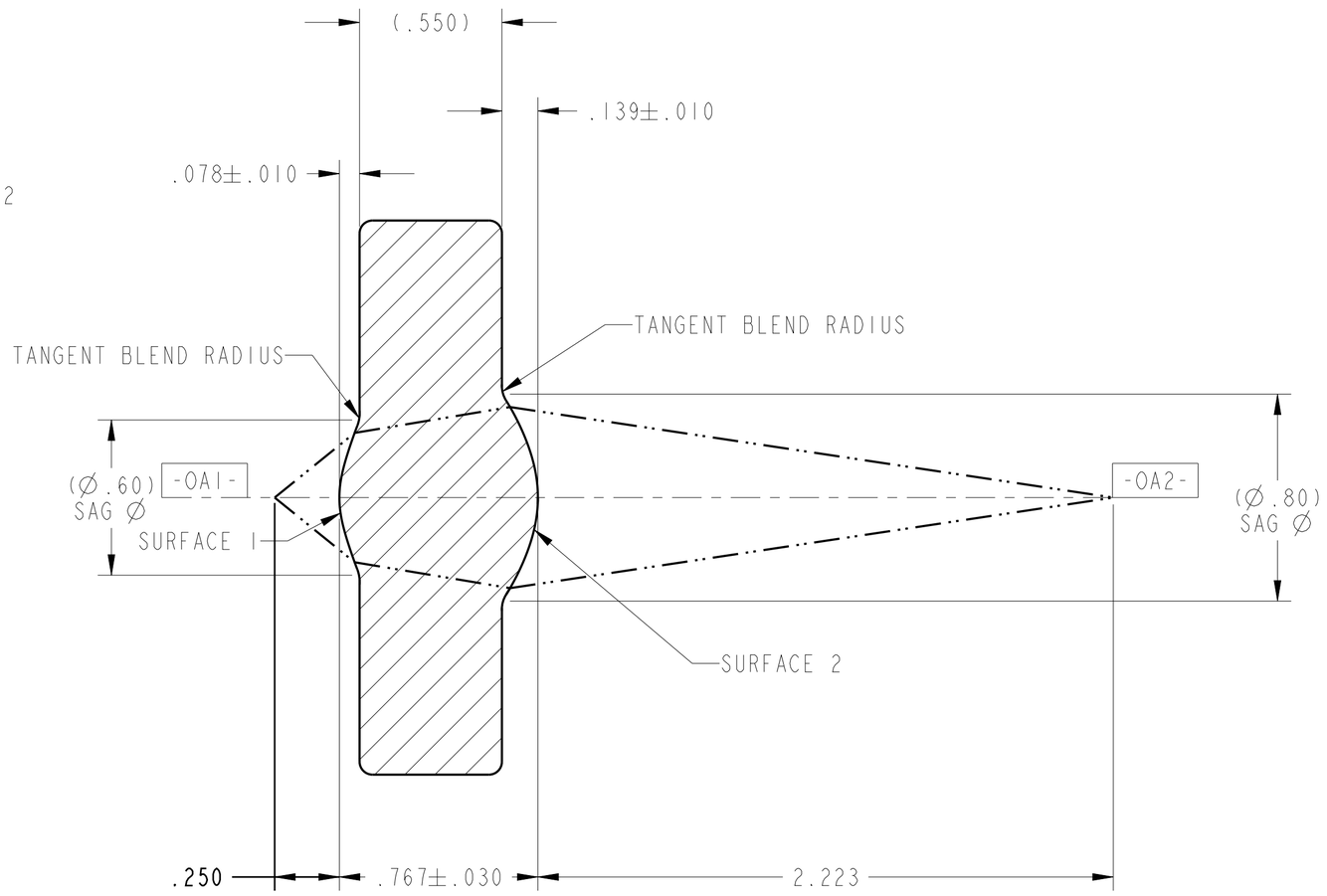


5. NOMINAL DESIGN PARAMETERS:

DESIGN WAVELENGTH	1310nm
W.D.	0.250/2.223 mm
N.A.	0.55/0.10
E.F.L.	0.45 mm

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



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: MW\ORL

MATERIAL: D-ZLaF52LA(m)

SOFTWARE: Pro/ENGINEER

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

TITLE: LENS CODE 355204

SIZE: A2 | DWG NO: 0355204 | REV: A

SCALE: 60.00 | THIRD ANGLE PROJECTION | SHEET 1 OF 1

REV A | SH 1 | DWG NO 0355204