REVISION HISTORY				
REV	DCO	DESCRIPTION	DATE	INITIALS
A	3377	INITIAL RELEASE	01/18/13	AS
B	4273	NEW CATALOG FORMAT	9/24/2015	PL
C	4453	UPDATED REQUIREMENTS IN NOTES	02/25/16	PL

NOTES: UNLESS OTHERWISE SPECIFIED

1. -OA1- 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: Y= RADIAL DISTANCE FROM VERTEX IN mm

3. SURFACE DEFINITIONS:

	SURFACE 1	SURFACE 2
TYPE	ASPHERE	PLANO
SHAPE	CX	PL
CA	Ø10.00	Ø9.12
R_C	5.843675	PLANO
K	-1.072895	0.000000
A_2	0.000000E0	0.000000E0
A_4	3.255651E-4	0.000000E0
A_6	1.152793E-6	0.000000E0
A_8	5.001033E-9	0.000000E0
A_{10}	-9.295233E-11	0.000000E0
A_{12}	0.000000E0	0.000000E0
A_{14}	0.000000E0	0.000000E0
A_{16}	0.000000E0	0.000000E0

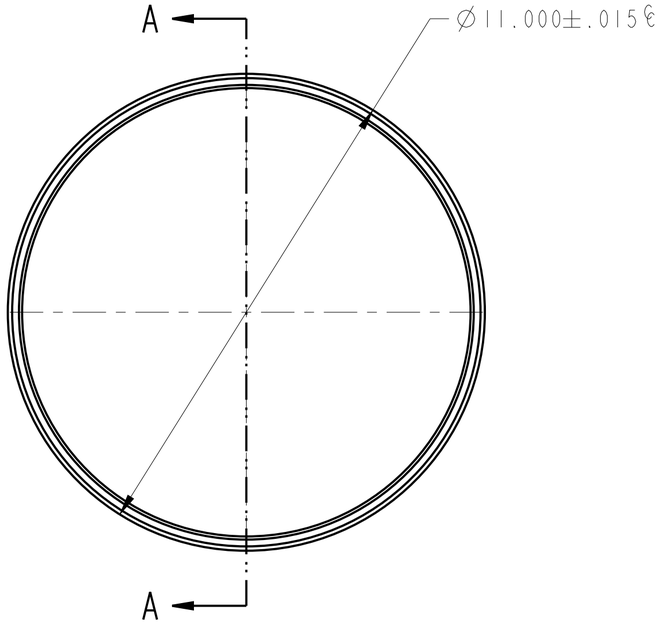
4. NOMINAL DESIGN PARAMETERS:

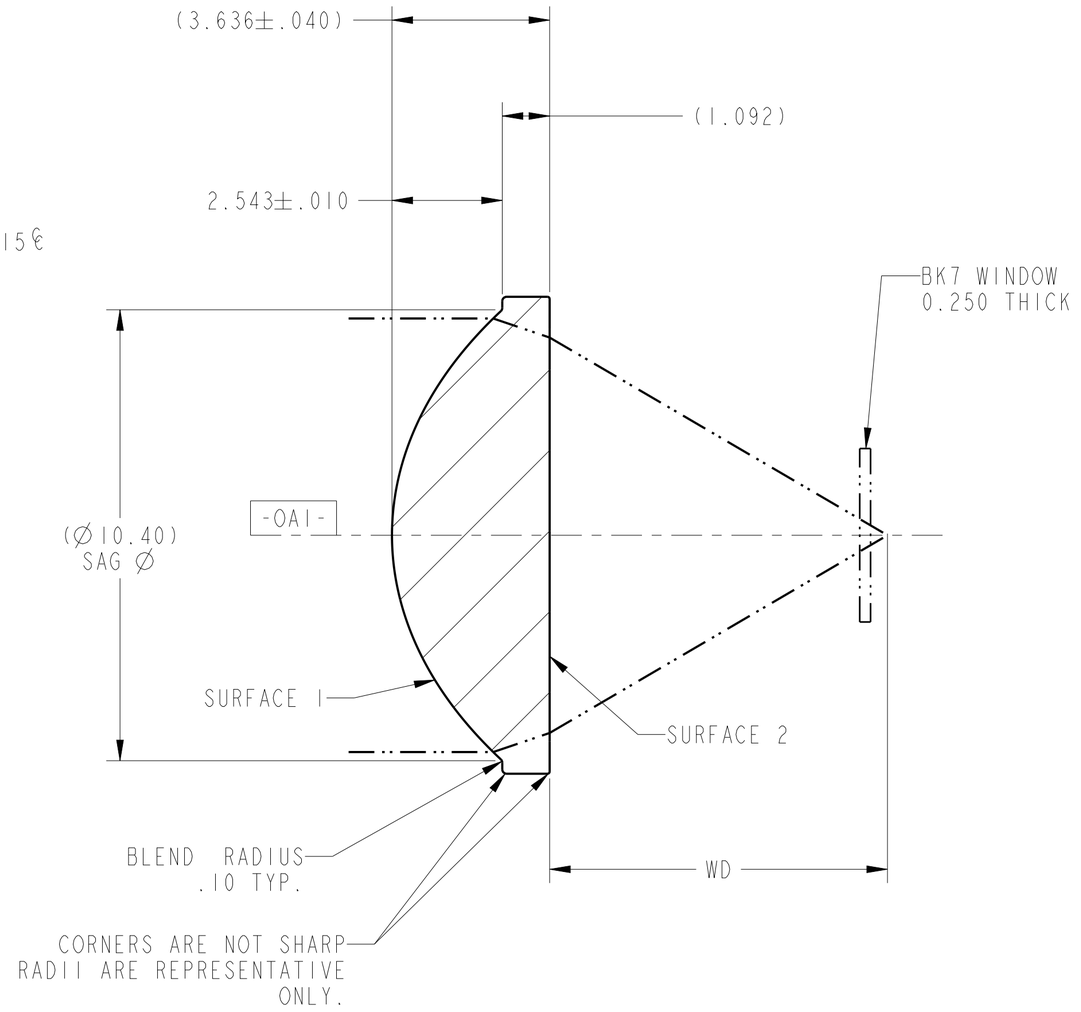
DESIGN WAVELENGTH	633 nm
W.D.	7.8 mm
N.A.	0.5
E.F.L.	10.0mm ± 1.0%

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-8.2-05PG.℄
-00: S/D: 60/40.
SURFACE ROUGHNESS < 15nm RMS

7. THIS ELEMENT IS USED AS A COLLIMATING LENS
WAVEFRONT ERROR: @ 100% APERTURE <0.078 WAVES RMS @ 632.8nm
OR
COMA: < 0.600 WAVES
SA: 0.0 TO +1.3 WAVES
PER LIGHTPATH PWI INS-8.2-03.℄





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: AS\ORL

MATERIAL: D-ZK3(m)

SOFTWARE: Pro/ENGINEER

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

TITLE: LENS CODE 354125

SIZE: A2 | DWG NO: 0354125 | REV: C

SCALE: 10.00 | THIRD ANGLE PROJECTION | SHEET 1 OF 1

RoHS

REV C | SH 1 | DWG NO 0354125