

NOTES: UNLESS OTHERWISE SPECIFIED

1. **-OAI-** 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:

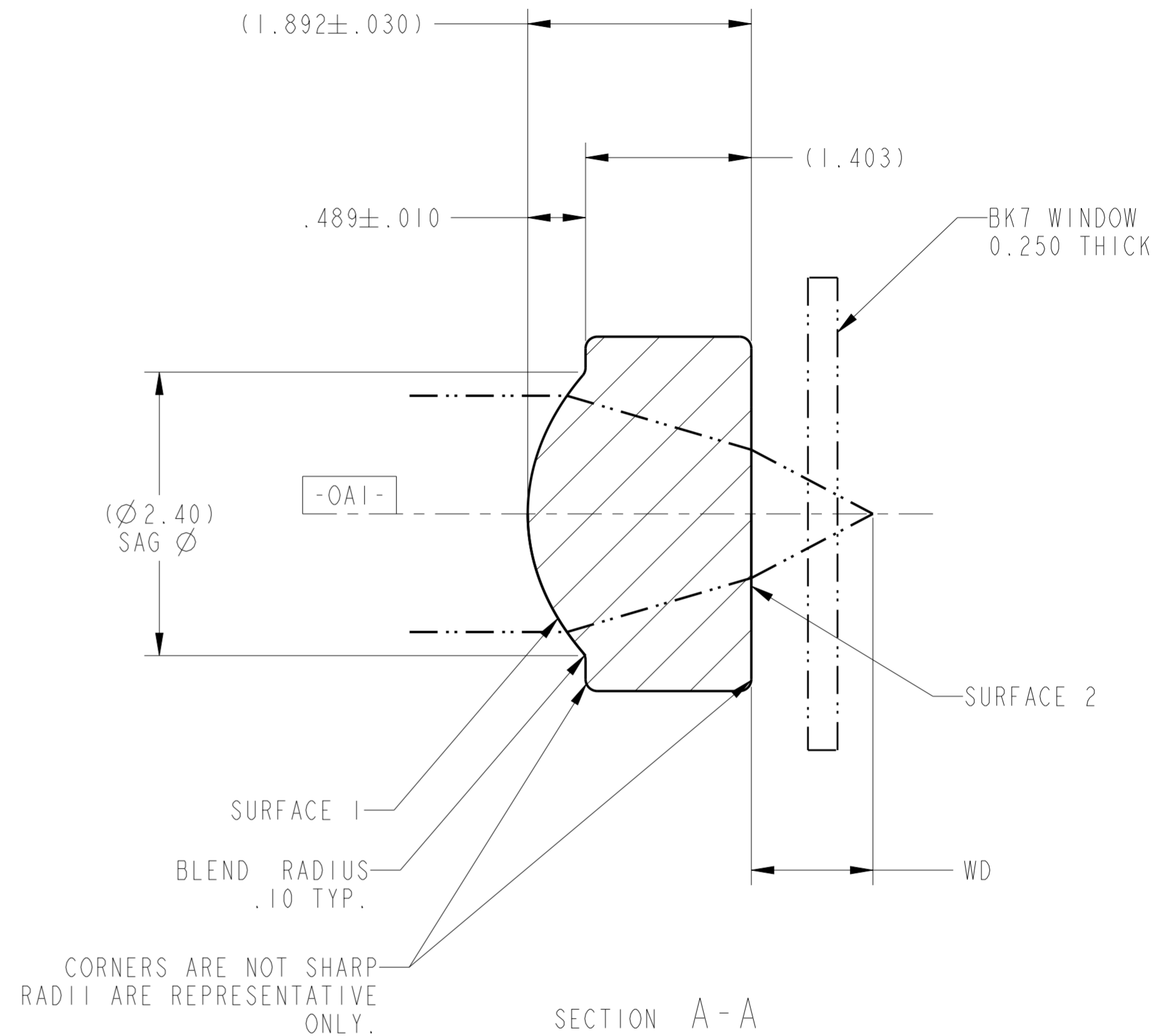
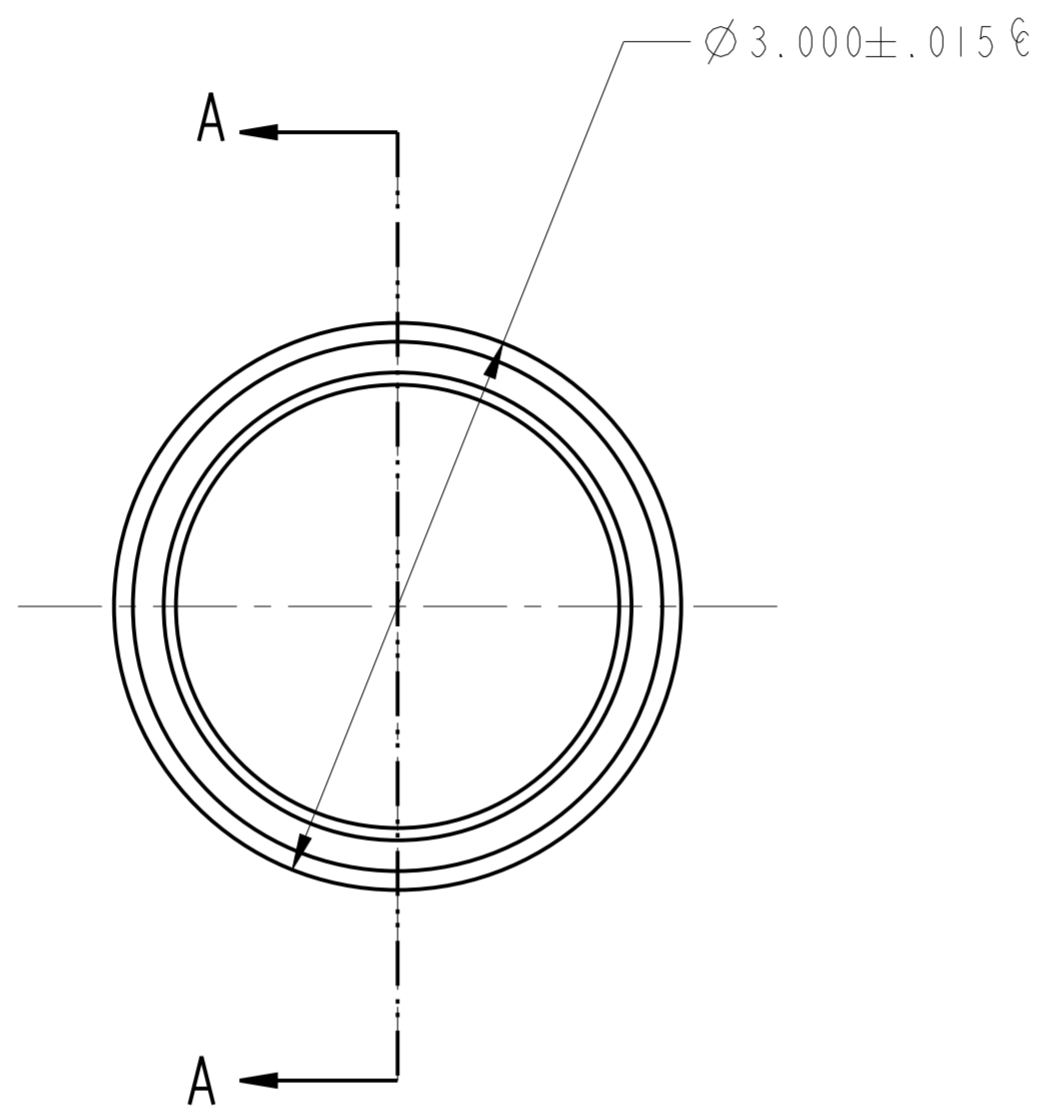
	SURFACE 1	SURFACE 2
TYPE	ASPHERE	PLANO
SHAPE	CX	PL
CA	∅2.00	∅1.09
R _C	1.586014	PLANO
K	-2.062694	0.000000
A ₂	0.000000E0	0.000000E0
A ₄	4.938263E-2	0.000000E0
A ₆	-6.116114E-3	0.000000E0
A ₈	1.717442E-3	0.000000E0
A ₁₀	-4.643557E-4	0.000000E0
A ₁₂	5.410885E-5	0.000000E0
A ₁₄	0.000000E0	0.000000E0
A ₁₆	0.000000E0	0.000000E0

4. NOMINAL DESIGN PARAMETERS.

DESIGN WAVELENGTH	780 nm
W.D.	1.0 mm
N.A.	0.5
E.F.L.	2.0mm ± 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-8.2-05P6.Ⓢ
-00: S/D: 40/20
7. THIS ELEMENT IS USED AS A COLLIMATING LENS.
WAVEFRONT ERROR: @ 100% APERTURE < 0.070 WAVES RMS @ 632.8nm;
@ 50% APERTURE < 0.200 WAVES P-V
PER LIGHTPATH PWI INS-8.2-03.Ⓢ

REVISION HISTORY				
REV	DCO	DESCRIPTION	DATE	INITIALS
A	2312	INITIAL RELEASE	02/11/10	ASYMMONS
B	4383	UPDATED FORMAT	12/21/15	PL



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 ASYMMONS\ORL	
MATERIAL D-ZLAF52LA(m)	SIZE A2
SOFTWARE Pro/ENGINEER	

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TITLE LENS CODE 355151			
MATERIAL	SIZE	DWG NO	REV
D-ZLAF52LA(m)	A2	0355151	B
SCALE:	25.00	THIRD ANGLE PROJECTION	SHEET 1 OF 1