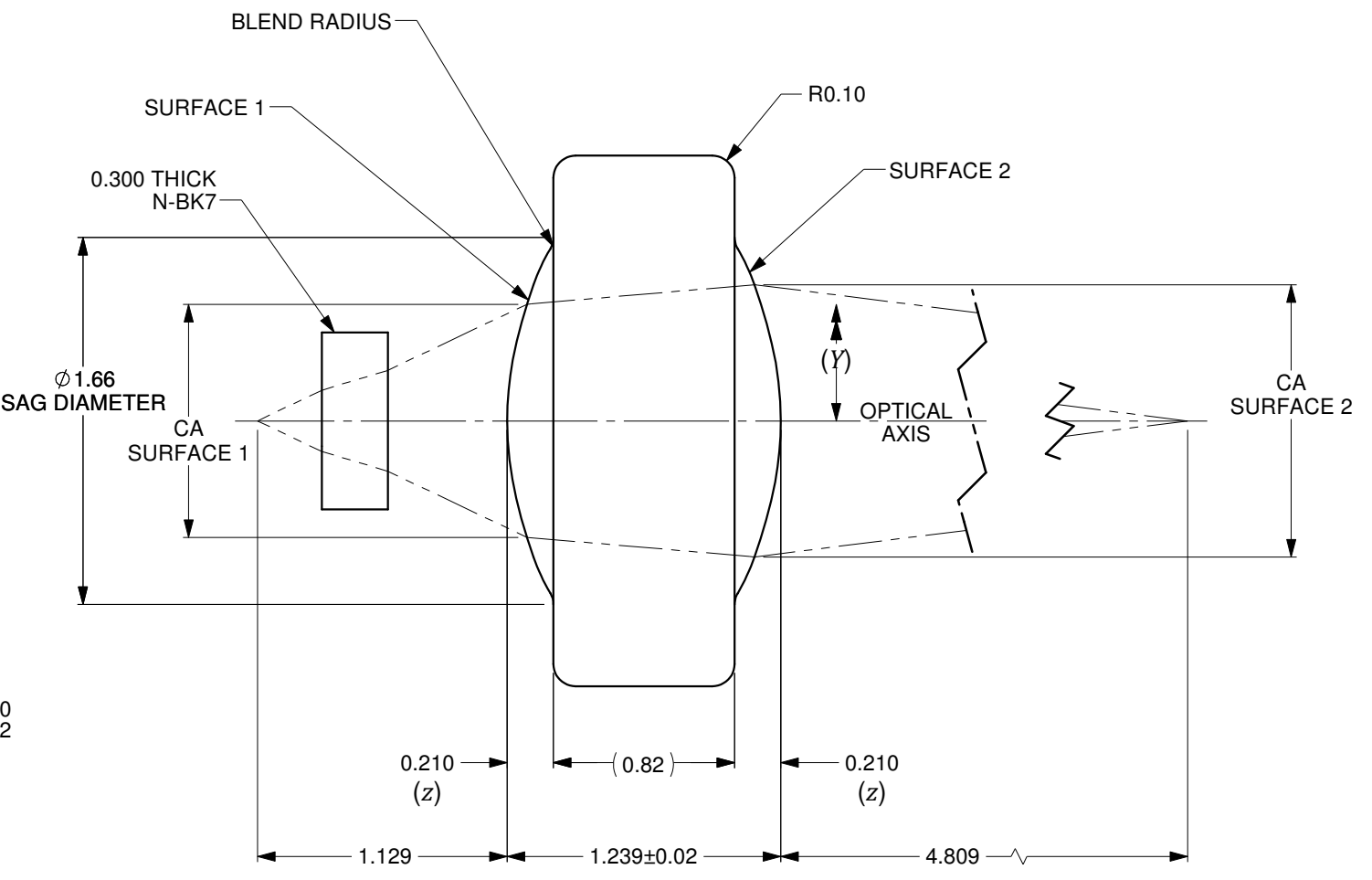
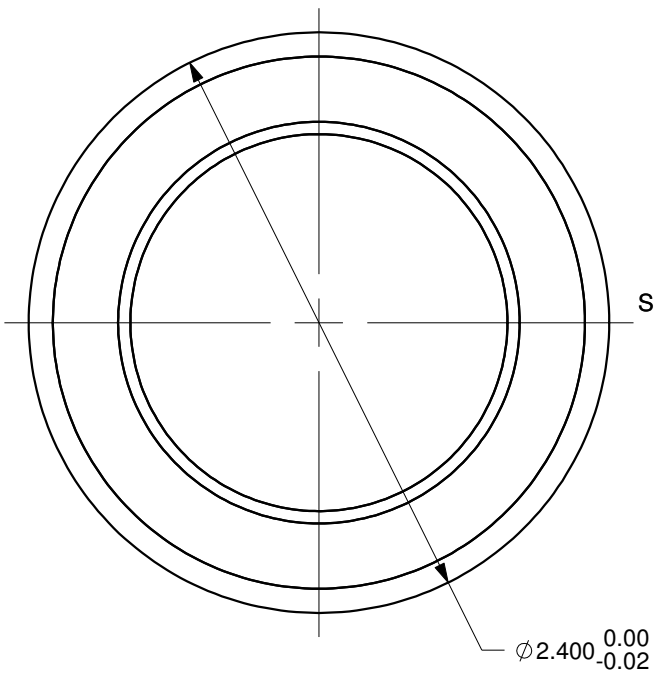


$$z = \frac{Y^2}{R \left( 1 + \sqrt{1 - (1+k) \frac{Y^2}{R^2}} \right)} + A_4 Y^4 + A_6 Y^6 + \dots + A_n Y^n$$

	SURFACE 1	SURFACE 2
SURFACE TYPE	ASPHERIC	ASPHERIC
CLEAR APERTURE (CA)	ø1.06	ø1.24mm
RADIUS OF CURVATURE	1.44513	-1.44513
<i>k</i>	-0.96299	-0.96299
<i>A</i> <sub>4</sub>	-8.11683E-002	8.11683E-002
<i>A</i> <sub>6</sub>	-1.89610E-002	1.89610E-002
<i>A</i> <sub>8</sub>	6.56081E-002	-6.56081E-002
<i>A</i> <sub>10</sub>	-4.04843E-002	4.04843E-002
<i>A</i> <sub>12</sub>	0	0
<i>A</i> <sub>14</sub>	0	0



VARIABLES	
<i>z</i>	SURFACE PROFILE
<i>Y</i>	DISTANCE FROM OPTICAL AXIS
<i>R</i>	RADIUS OF CURVATURE
<i>k</i>	CONIC CONSTANT
<i>A</i> <sub>4</sub>	4th ORDER ASPHERIC COEFFICIENT
<i>A</i> <sub>6</sub>	6th ORDER ASPHERIC COEFFICIENT
<i>A</i> <sub><i>n</i></sub>	<i>n</i> th ORDER ASPHERIC COEFFICIENT

NUMERICAL APERTURE	S1=0.43/S2=0.124
EFFECTIVE FOCAL LENGTH	1.14mm

**NOTES :**

- 1) MATERIAL: D-ZLAF52LA
- 2) WAVEFRONT ABERRATION (RMS): <0.14λ @ 632.8nm
- 3) AR COATING: 1000-1650 nm  
REFLECTIVITY R<sub>max</sub> <1.00%

A		N/A		ORIGINAL ISSUE		C.M.		10-SEP-2019			
REV.	ECR REF#	DESCRIPTION	ENG. BY	DATE							
<b>ALL DIMENSIONS ARE IN MILLIMETERS</b>					UNLESS NOTED OTHERWISE, DIMENSIONS ARE IN MILLIMETERS, INCHES ARE IN SQUARE BRACKETS, AND TOLERANCES APPLY AS SHOWN BELOW.						
DRAWN BY: P. SUMMERS		DATE: 9/10/2019		M/S CHECKED BY:		DATE:		APVD BY:		DATE:	
CHECKED BY:		DATE:		PROJECTION:						CONFIDENTIAL THIS PRINT IS THE EXCLUSIVE PROPERTY OF OZ OPTICS AND MUST BE RETURNED UPON REQUEST. UNAUTHORIZED USE, MANUFACTURE OR REPRODUCTION IN WHOLE OR IN PART IS PROHIBITED.	
BASIC DIMENSION		DECIMAL PLACES		BASIC DIMENSION		DECIMAL PLACES		ANGULAR DIMENSIONS		BASIC DIMENSION	
BELOW 4		.XX .XXX		.X .XX		.X .XX		ALL ANGLES		X .XX	
OVER 4		+01 +005		±.25 ±.10		±.50 ±.20				±2.5* ±0.5*	
		+02 +01						SURFACE FINISH		MILLED PROFILED	
								125u		63u	
								SIZE: B		DWG.# 4000-0203	
								SHEET 1 OF 1		SCALE: 32:1	
								PART NO. AS-F1.14-D2.4-1000/1650		REV A	
								DESC. ASPHERIC LENS f=1.14mm, OD=2.4mm. AR COATED FOR 1000-1650nm		PART BARCODE # 42518	
								219 WESTBROOK ROAD OTTAWA, ONTARIO CANADA K0A 1L0 www.ozoptics.com			