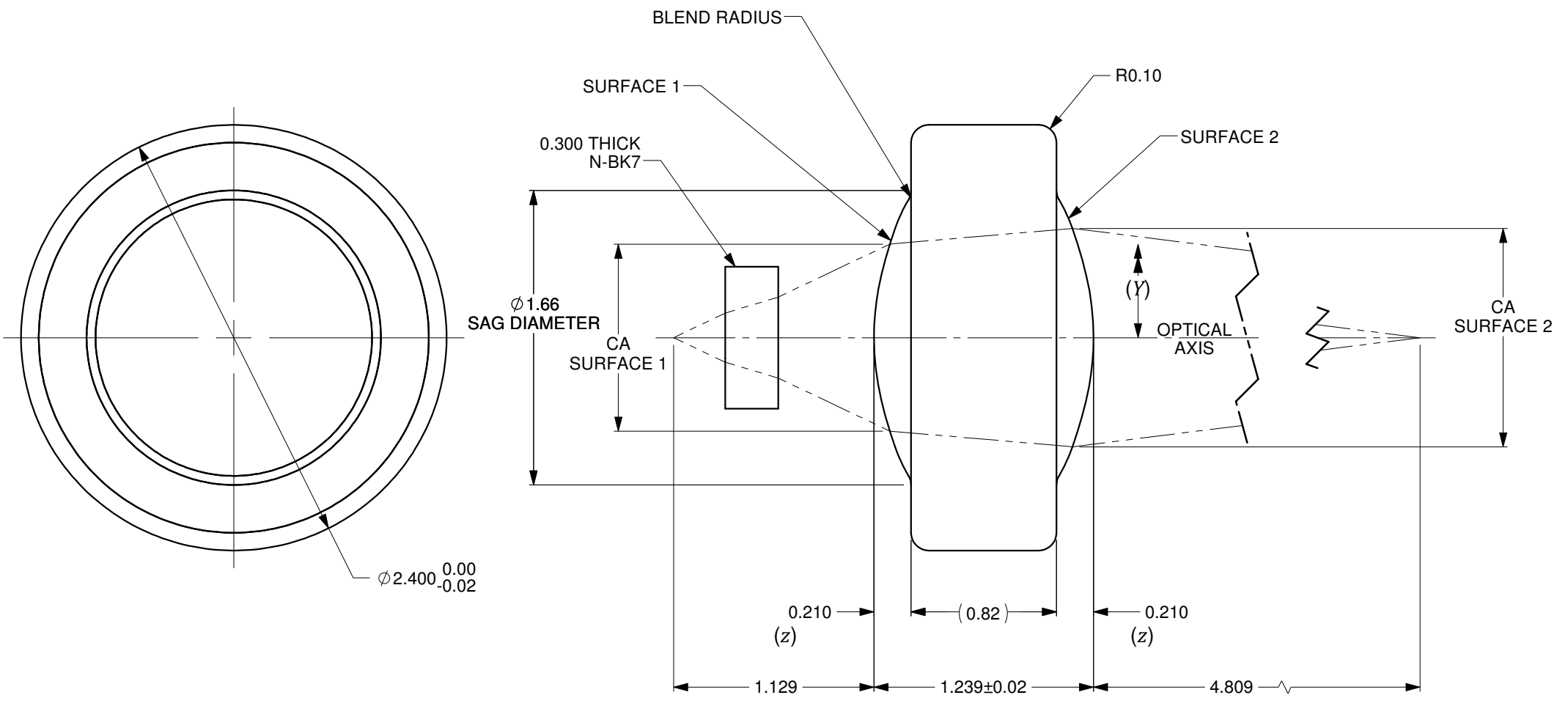


$$z = \frac{Y^2}{R \left( 1 + \sqrt{1 - (1+k) \frac{Y^2}{R^2}} \right)} + A_4 Y^4 + A_6 Y^6 + \dots + A_n Y^n$$

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


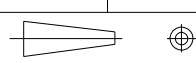


VARIABLES	
z	SURFACE PROFILE
Y	DISTANCE FROM OPTICAL AXIS
R	RADIUS OF CURVATURE
k	CONIC CONSTANT
A <sub>4</sub>	4th ORDER ASPHERIC COEFFICIENT
A <sub>6</sub>	6th ORDER ASPHERIC COEFFICIENT
A <sub>n</sub>	nth ORDER ASPHERIC COEFFICIENT

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: 600-1050 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		 <p>219 WESTBROOK ROAD OTTAWA, ONTARIO CANADA K0A 1L0</p> <p>www.ozoptics.com</p>																															
CHECKED BY:		DATE:																																	
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PROJECTION:				<table border="1"> <thead> <tr> <th colspan="2">INCHES</th> <th colspan="2">MILLIMETERS</th> </tr> <tr> <th>BASIC DIMENSION</th> <th>DECIMAL PLACES</th> <th>BASIC DIMENSION</th> <th>DECIMAL PLACES</th> </tr> </thead> <tbody> <tr> <td>BELOW 4</td> <td>.XX .XXX</td> <td>.X .XX</td> <td>.XX</td> </tr> <tr> <td>OVER 4</td> <td>+.01 +.005</td> <td>±.25 ±.10</td> <td></td> </tr> <tr> <td></td> <td>+.02 +.01</td> <td>±.50 ±.20</td> <td></td> </tr> </tbody> </table>		INCHES		MILLIMETERS		BASIC DIMENSION	DECIMAL PLACES	BASIC DIMENSION	DECIMAL PLACES	BELOW 4	.XX .XXX	.X .XX	.XX	OVER 4	+.01 +.005	±.25 ±.10			+.02 +.01	±.50 ±.20		<table border="1"> <thead> <tr> <th colspan="2">ANGULAR DIMENSIONS</th> </tr> <tr> <th>BASIC DIMENSION</th> <th>DECIMAL PLACES</th> </tr> </thead> <tbody> <tr> <td>ALL ANGLES</td> <td>X .XX</td> </tr> <tr> <td></td> <td>±2.5° ±0.5°</td> </tr> </tbody> </table>		ANGULAR DIMENSIONS		BASIC DIMENSION	DECIMAL PLACES	ALL ANGLES	X .XX		±2.5° ±0.5°
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