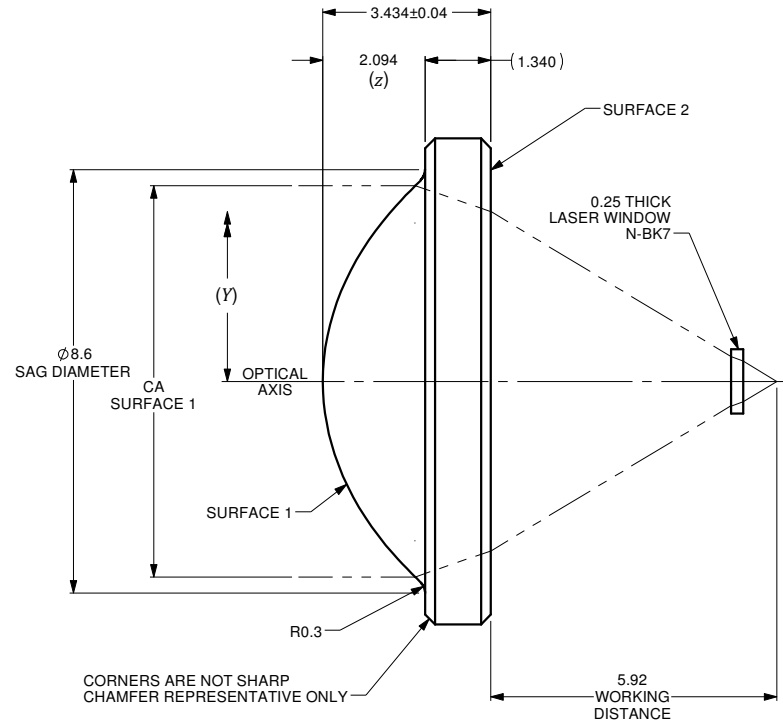
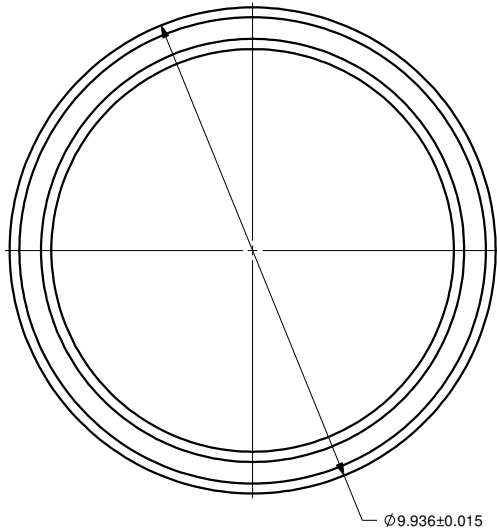


$$z = \frac{Y^2}{R \left(1 + \sqrt{1 - (1+k) \frac{Y^2}{R^2}} \right)} + A_4 Y^4 + A_6 Y^6 + \dots + A_n Y^n$$

	SURFACE 1	SURFACE 2
SURFACE TYPE	ASPHERIC	PLANO
CLEAR APERTURE (CA)	ø8.00mm	ø6.94mm MIN.
RADIUS OF CURVATURE	4.63478mm	INF.
<i>k</i>	-0.92308	0
<i>A₄</i>	4.77359E-004	0
<i>A₆</i>	4.00285E-006	0
<i>A₈</i>	3.57382E-008	0
<i>A₁₀</i>	-7.56948E-010	0
<i>A₁₂</i>	0	0
<i>A₁₄</i>	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>A₄</i>	4th ORDER ASPHERIC COEFFICIENT
<i>A₆</i>	6th ORDER ASPHERIC COEFFICIENT
<i>A_n</i>	nth ORDER ASPHERIC COEFFICIENT

NUMERICAL APERTURE	0.5
EFFECTIVE FOCAL LENGTH	8.0mm

- NOTES :**
- MATERIAL: D-ZK3
 - WAVEFRONT ABERRATION (RMS): <0.08λ @ 632.8nm
 - AR COATING: 600-1050 nm
REFLECTIVITY R_{max} <1.00%

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE, DIMENSIONS ARE IN MILLIMETERS. INCHES ARE IN SQUARE BRACKETS, AND TOLERANCES APPLY AS SHOWN BELOW. INCHES: BASIC DIMENSION: .XX, .XXX, .XXX; DECIMAL PLACES: BELOW .4: ±.01, ±.005; OVER .4: ±.02, ±.01 MILLIMETERS: BASIC DIMENSION: X, XX, XXX; DECIMAL PLACES: BELOW 10.6: ±.25, ±.15; OVER 101.6: ±.50, ±.20 ANGULAR DIMENSIONS: BASIC DIMENSION: X, XX; ALL ANGLES: ±2.5°, ±0.5° SURFACE FINISH: MILLED 125μ; PROFILED 63μ		A N/A ORIGINAL ISSUE REV. ECR REF# DESCRIPTION C.M. 27-SEP-2019 ENG. BY DATE
DRAWN BY: P. SUMMERS CHECKED BY: M/S CHECKED BY: AP/VD BY: PROJECTION:	DATE: 9/27/2019 DATE: DATE: DATE: DATE:	219 WESTBROOK ROAD OTTAWA, ONTARIO CANADA K0A 1L0 ozOptics www.ozoptics.com PART BARCODE #: 560 ASPHERIC LENS f=8mm, OD=9.94mm. AR COATED FOR 600-1050nm AS-F8-D9.94-600/1050 PART NO. 4000-0226 SHEET 1 OF 1 SCALE: 10:1 REV. A