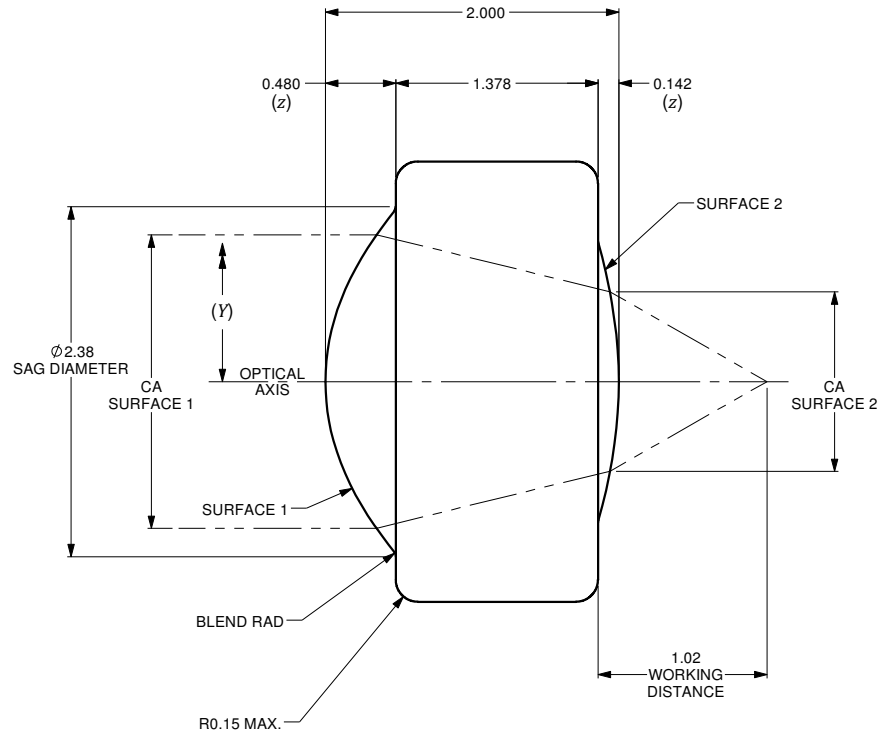
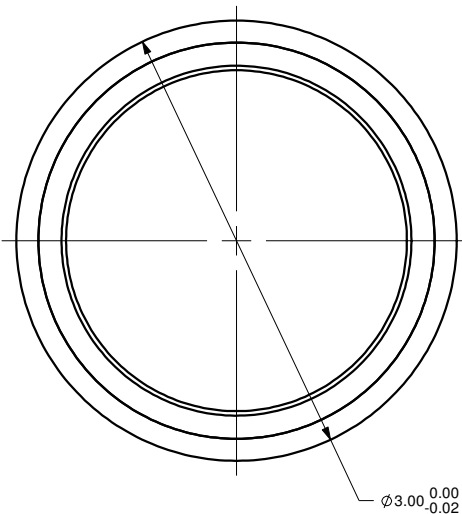


$$z = \frac{Y^2}{R \left(1 + \sqrt{1 - (1+k) \frac{Y^2}{R^2}} \right)} + A_4 Y^4 + A_6 Y^6 + \dots + A_n Y^n$$

	SURFACE 1	SURFACE 2
SURFACE TYPE	ASPHERIC	ASPHERIC
CLEAR APERTURE (CA)	ø2.0mm	ø1.2mm
RADIUS OF CURVATURE	1.47987	-2.69
k	-1.15074	-5.51326
A_4	1.96499E-002	7.06676E-002
A_6	-2.10454E-003	-1.22369E-001
A_8	4.17382E-004	7.23867E-002
A_{10}	-1.79580E-003	-1.39030E-002
A_{12}	0	0
A_{14}	0	0

VARIABLES	
z	SURFACE PROFILE
Y	DISTANCE FROM OPTICAL AXIS
R	RADIUS OF CURVATURE
k	CONIC CONSTANT
A_4	4th ORDER ASPHERIC COEFFICIENT
A_6	6th ORDER ASPHERIC COEFFICIENT
A_n	nth ORDER ASPHERIC COEFFICIENT



NUMERICAL APERTURE	0.50
EFFECTIVE FOCAL LENGTH	2.0mm

NOTES :

- MATERIAL: D-ZK3
- WAVEFRONT ABERRATION (RMS): <0.05λ @ 632.8nm
- AR COATING: 1000-1650 nm
REFLECTIVITY R_{max} <1.00%

ALL DIMENSIONS ARE IN MILLIMETERS		A N/A ORIGINAL ISSUE		C.M.	10-SEP-2019	
DRAWN BY: P. SUMMERS	DATE: 9/10/2019	REV.	ECR REF#	DESCRIPTION	ENG. BY	DATE
CHECKED BY:	DATE:	UNLESS NOTED OTHERWISE, DIMENSIONS ARE IN MILLIMETERS. INCHES ARE IN SQUARE BRACKETS AND TOLERANCES APPLY AS SHOWN BELOW.				PART BARCODE #:
M/S CHECKED BY:	DATE:	INCHES				524
AP/VD BY:	DATE:	MILLIMETERS				219 WESTBROOK ROAD OTTAWA, ONTARIO CANADA K6A 1L0
PROJECTION:		DESC: ASPHERIC LENS f=2mm, OD=3mm. AR COATED FOR 1000-1650nm				www.ozoptics.com
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.		PART NO:		AS-F2-D3-1000/1650		REV: A
SURFACE FINISH		MILLED	PROFLED:	SIZE: B	DWG.# 4000-0209	SHEET 1 OF 1
		125μ	63μ			SCALE: 30:1

DWG.# 4000-0209 A