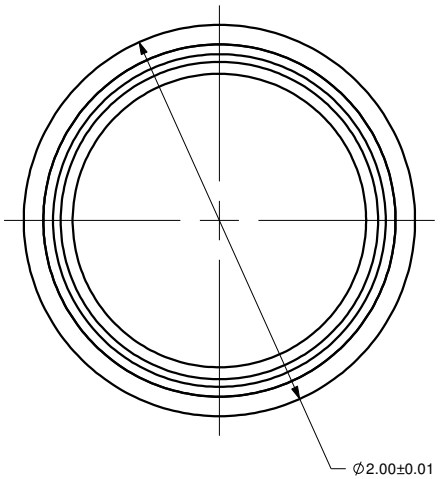
BARCODE #: 4516

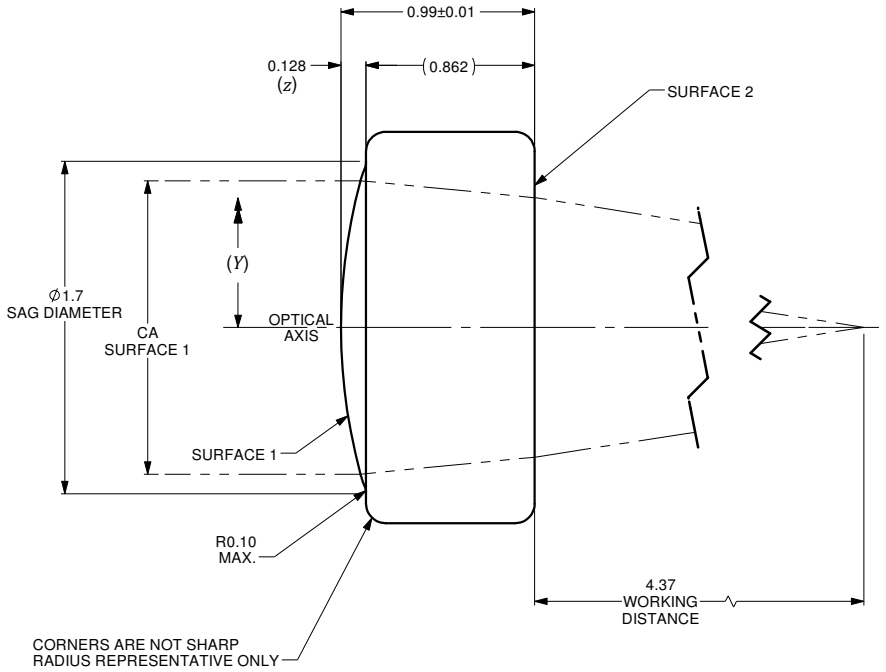
REV A

DWG NO. 4000-0218

$$z = \frac{Y^2}{R\left(1+\sqrt{1-(1+k)\frac{Y^2}{R^2}}\right)} + A_4Y^4 + A_6Y^6 + \cdots + A_nY^n$$

	SURFACE 1	SURFACE 2
SURFACE TYPE	ASPHERIC	PLANO
CLEAR APERTURE (CA)	ø1.50mm	ø1.33mm MIN.
RADIUS OF CURVATURE	2.85347	INF.
k	-0.57885	0
A_4	0	0
A_6	0	0
A_8	0	0
A_{10}	0	0
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	0.15
EFFECTIVE FOCAL LENGTH	5.0mm

NOTES :

1) MATERIAL: D-ZK3

2) WAVEFRONT ABERRATION (RMS): <0.07λ @ 632.8nm

3) AR COATING: 1000-1650 nm

REFLECTIVITY R_{max} <1.00%

REV.	ECR REF#	DESCRIPTION	ENG. BY	DATE
A	N/A	ORIGINAL ISSUE	C.M.	11-SEP-2019

ALL DIMENSIONS ARE IN MILLIMETERS

DRAWN BY: P. SUMMERS — DATE: 9/11/2019
CHECKED BY: — DATE:
M/S CHECKED BY: — DATE:
APVD BY: — DATE:
PROJECTION:

UNLESS NOTED OTHERWISE, DIMENSIONS ARE IN MILLIMETERS, INCHES ARE IN SQUARE BRACKETS, AND TOLERANCES APPLY AS SHOWN BELOW.

INCHES	DECIMAL PLACES	
BASIC DIMENSION	XX	XXX
BELOW 4	±.01	±.005
OVER 4	±.02	±.01

MILLIMETERS	DECIMAL PLACES	
BASIC DIMENSION	X	XX
BELOW 101.6	±.25	±.10
OVER 101.6	±.50	±.20

ANGULAR DIMENSIONS		
BASIC DIMENSION	X	X.X
ALL ANGLES	±2.5°	±0.5°

SURFACE FINISH	MILLED	PROFILED
	125u	63u

OZ OPTICS LIMITED
219 WESTBROOK ROAD
OTTAWA, ONTARIO
CANADA K0A 1L0
www.ozoptics.com

PART BARCODE #: 4516

DESC: ASPHERIC LENS
f=5mm, OD=2mm. AR COATED FOR 1000-1650nm

PART NO.: AS-F5-D2-1000/1650 — REV: A

SIZE: B — DWG.#: 4000-0218 — SHEET 1 OF 1 — SCALE: 40:1