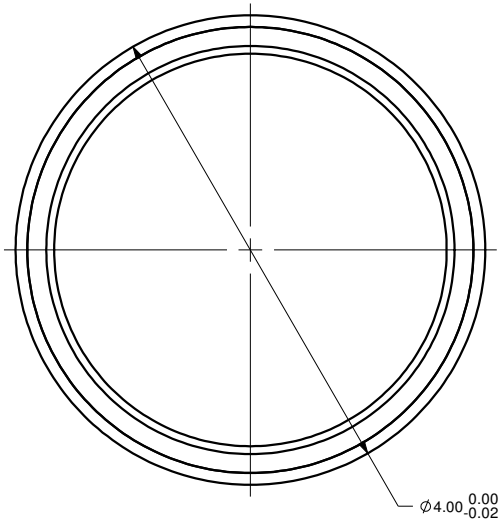
BARCODE #: 506

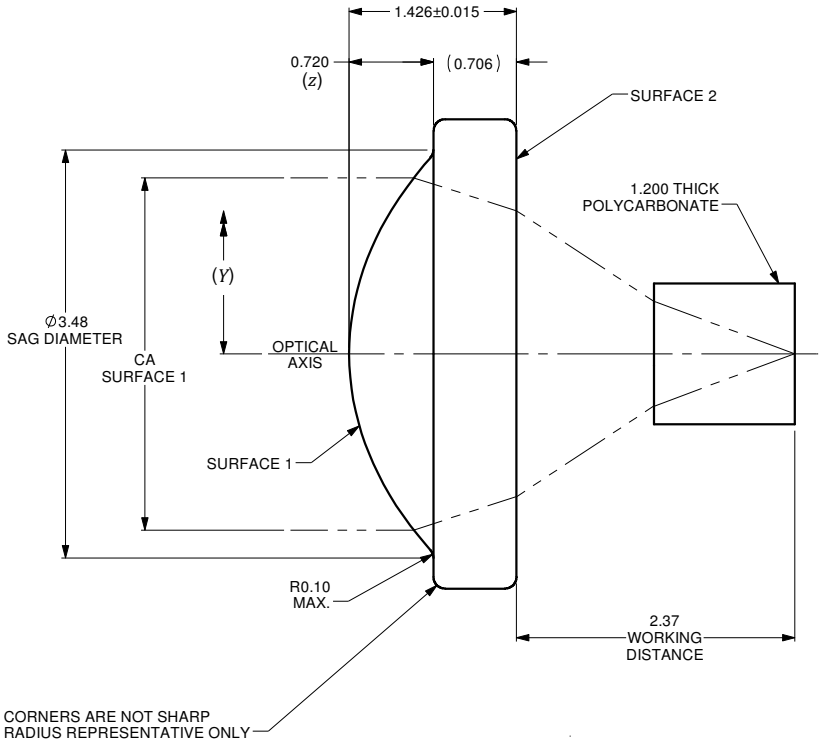
REV A

DWG NO. 4000-0210

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

	SURFACE 1	SURFACE 2
SURFACE TYPE	ASPHERIC	PLANO
CLEAR APERTURE (CA)	ø3.00mm	ø2.44mm MIN.
RADIUS OF CURVATURE	2.16497	INF.
k	-1.12249	0
A_4	7.50357E-003	0
A_6	1.19911E-004	0
A_8	-9.99584E-006	0
A_{10}	-2.53542E-006	0
A_{12}	-1.25139E-007	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	0.55
EFFECTIVE FOCAL LENGTH	2.73mm

NOTES :

1) MATERIAL: D-ZLAF52LA

2) WAVEFRONT ABERRATION (RMS): <0.05λ @ 632.8nm

3) AR COATING: 375-650 nm
REFLECTIVITY R<1.00%

ALL DIMENSIONS ARE IN MILLIMETERS

REV.	ECR REF#	DESCRIPTION	ENG. BY	DATE
A	N/A	ORIGINAL ISSUE	C.M.	16-SEP-2019

DRAWN BY: P. SUMMERS — DATE: 9/16/2019
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

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

MILLIMETERS

BASIC DIMENSION	DECIMAL PLACES 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

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OTTAWA, ONTARIO
CANADA K0A 1L0
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PART BARCODE #: 506

DESC: ASPHERIC LENS
f=2.7mm, OD=4mm. AR COATED FOR 375-650nm

PART NO. AS-F2.7-D4-375/650 — REV A

SIZE: B — DWG.# 4000-0210 — SHEET 1 OF 1 — SCALE: 24:1