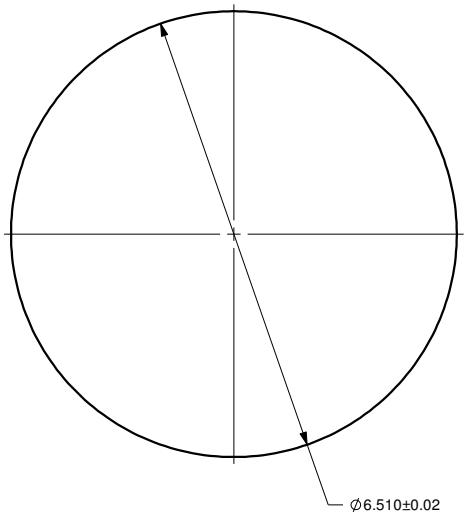
BARCODE #: 41436

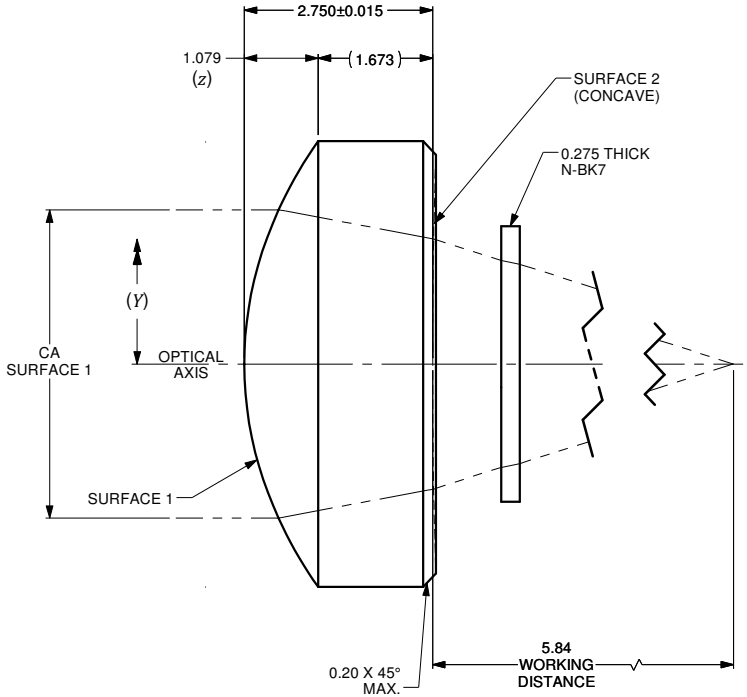
REV A

DWG NO. 4000-0222

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

	SURFACE 1	SURFACE 2
SURFACE TYPE	ASPHERIC	CONCAVE
CLEAR APERTURE (CA)	ø4.40mm	ø4.00mm MIN.
RADIUS OF CURVATURE	5.15250	94.72300
k	0	0
A_4	-5.06996E-004	0
A_6	-1.01365E-005	0
A_8	-8.52327E-007	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	0.30
EFFECTIVE FOCAL LENGTH	7.4mm

NOTES :

1) MATERIAL: H-LAK54

2) WAVEFRONT ABERRATION (RMS): <0.08λ @ 632.8nm

3) AR COATING: 375-650 nm
REFLECTIVITY R_{avg} ≤0.50%

REV.	ECR REF#	DESCRIPTION	ENG. BY	DATE
A	N/A	ORIGINAL ISSUE	C.M.	10-SEP-2019

ALL DIMENSIONS ARE IN MILLIMETERS

DRAWN BY: P. SUMMERS — DATE: 9/10/2019
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	DECIMAL PLACES XXX
BELOW 4	±.01	±.005
OVER 4	±.02	±.01

MILLIMETERS

BASIC DIMENSION	DECIMAL PLACES X	DECIMAL PLACES 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 #: 41436

DESC: ASPHERIC LENS
f=7.5mm, OD=6.5mm. AR COATED FOR 375-650nm

PART NO.: AS-F7.5-D6.5-375/650 — REV: A

SIZE: B — DWG.# 4000-0222 — SHEET 1 OF 1 — SCALE: 14:1