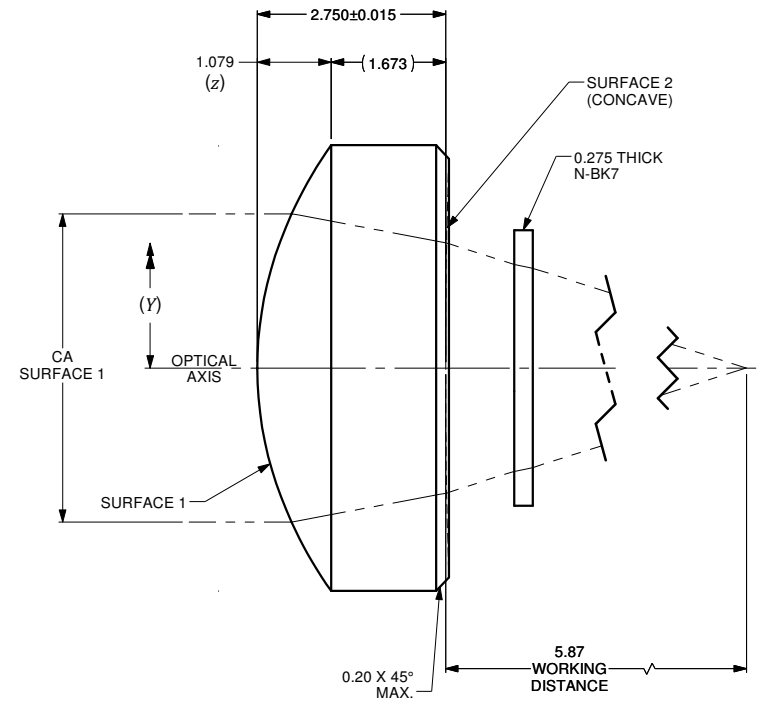
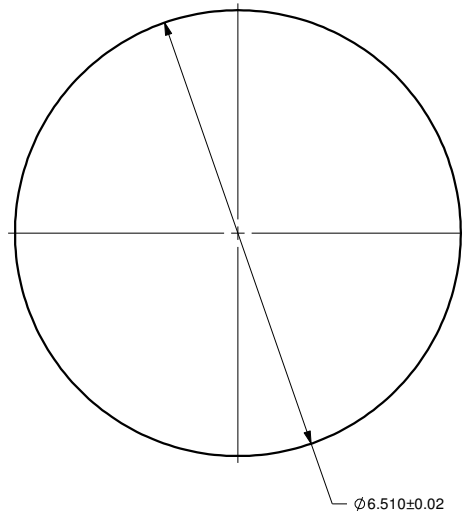


$$z = \frac{Y^2}{R \left(1 + \sqrt{1 - (1+k) \frac{Y^2}{R^2}} \right)} + A_4 Y^4 + A_6 Y^6 + \dots + A_n Y^n$$

	SURFACE 1	SURFACE 2
SURFACE TYPE	ASPHERIC	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	7.5mm

NOTES :

- MATERIAL: H-LAK54
- WAVEFRONT ABERRATION (RMS): <0.08λ @ 632.8nm
- AR COATING: 600-1050 nm
REFLECTIVITY R_{max} <1.00%

ALL DIMENSIONS ARE IN MILLIMETERS		A		N/A		ORIGINAL ISSUE		C.M.		26-AUG-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.								
M/S CHECKED BY:		DATE:		INCHES								
AP/VD BY:		DATE:		BASIC DIMENSION								
PROJECTION:				MILLIMETERS								
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.				BASIC DIMENSION		DECIMAL PLACES		DESC:		PART NO.		
				X		XX		ASPHERIC LENS		REV		
				X		XX		f=7.5mm, OD=6.5mm. AR COATED FOR 600-1050nm		A		
				X		XX		AS-F7.5-D6.5-600/1050		A		
				X		XX		MILLED		SIZE: B		
				X		XX		PROFILED		DWG.# 4000-0223		
				X		XX		125μ		SHEET 1 OF 1		
				X		XX		63μ		SCALE: 14:1		

