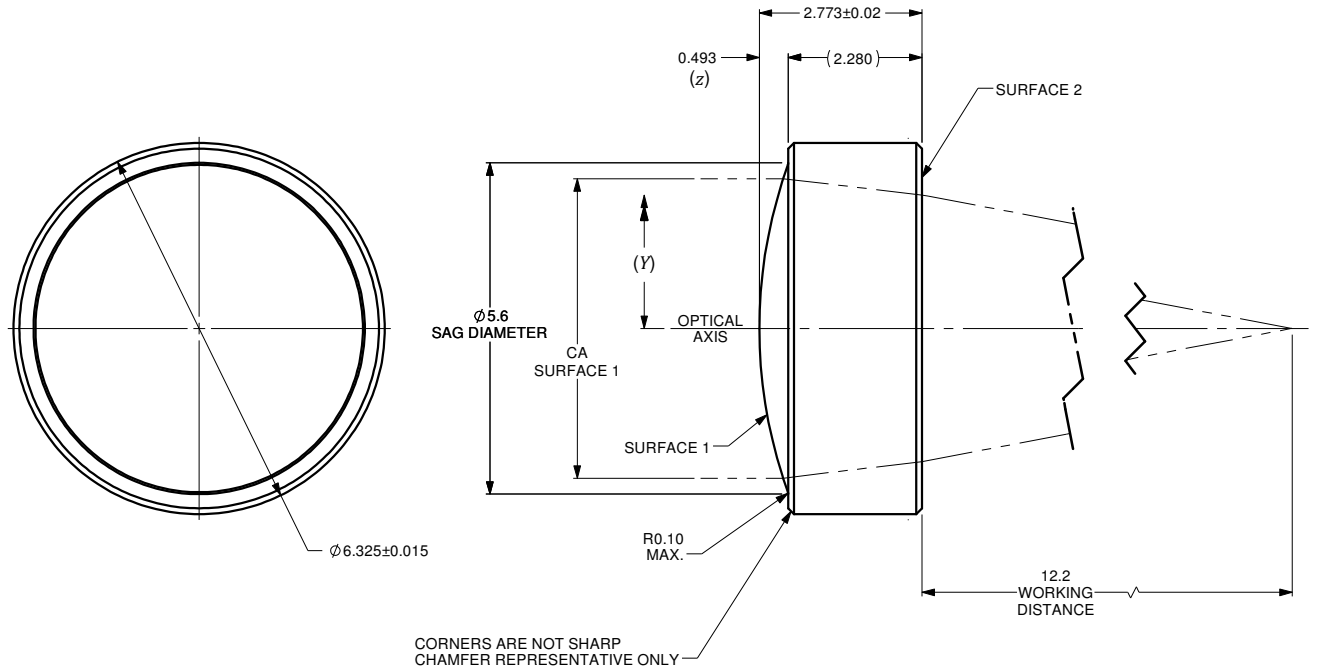


$$z = \frac{Y^2}{R \left(1 + \sqrt{1 - (1+k) \frac{Y^2}{R^2}} \right)} + A_4 Y^4 + A_6 Y^6 + \dots + A_n Y^n$$

	SURFACE 1	SURFACE 2
SURFACE TYPE	ASPHERIC	PLANO
CLEAR APERTURE (CA)	ø5.10mm	ø4.55mm MIN.
RADIUS OF CURVATURE	8.08262mm	INF.
k	-1.34235	0.0
A ₄	1.81052E-004	0.0
A ₆	-1.60892E-008	0.0
A ₈	6.82628E-010	0.0
A ₁₀	0.0	0.0
A ₁₂	0.0	0.0
A ₁₄	0.0	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	0.18
EFFECTIVE FOCAL LENGTH	13.9mm

NOTES :

- 1) MATERIAL: D-ZK3
- 2) WAVEFRONT ABERRATION (RMS): <0.05λ @ 632.8nm
- 3) AR COATING: 600-1050 nm
REFLECTIVITY R_{max} <1.00%

A		N/A	ORIGINAL ISSUE		C.M.	10-SEP-2019
REV.	ECR REF#	DESCRIPTION	ENG. BY	DATE	PART BARCODE #	
DRAWN BY: P. SUMMERS		DATE: 9/10/2019	UNLESS NOTED OTHERWISE, DIMENSIONS ARE IN MILLIMETERS. INCHES ARE IN SQUARE BRACKETS. AND TOLERANCES APPLY AS SHOWN BELOW.		PART BARCODE #	
CHECKED BY:		DATE:	INCHES		15053	
M/S CHECKED BY:		DATE:	DECIMAL PLACES		219 WESTBROOK ROAD OTTAWA, ONTARIO CANADA K6A 1L0	
AP/VD BY:		DATE:	MILLIMETERS		www.ozoptics.com	
PROJECTION:			ANGULAR DIMENSIONS		ASPHERIC LENS	
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.		MILLED		PROFILED	f=13.9mm, OD=6.325mm. AR COATED FOR 600-1050nm	
		SIZE: B		DWG.# 4000-0232	REV A	
		SHEET 1 OF 1		SCALE: 12:1		