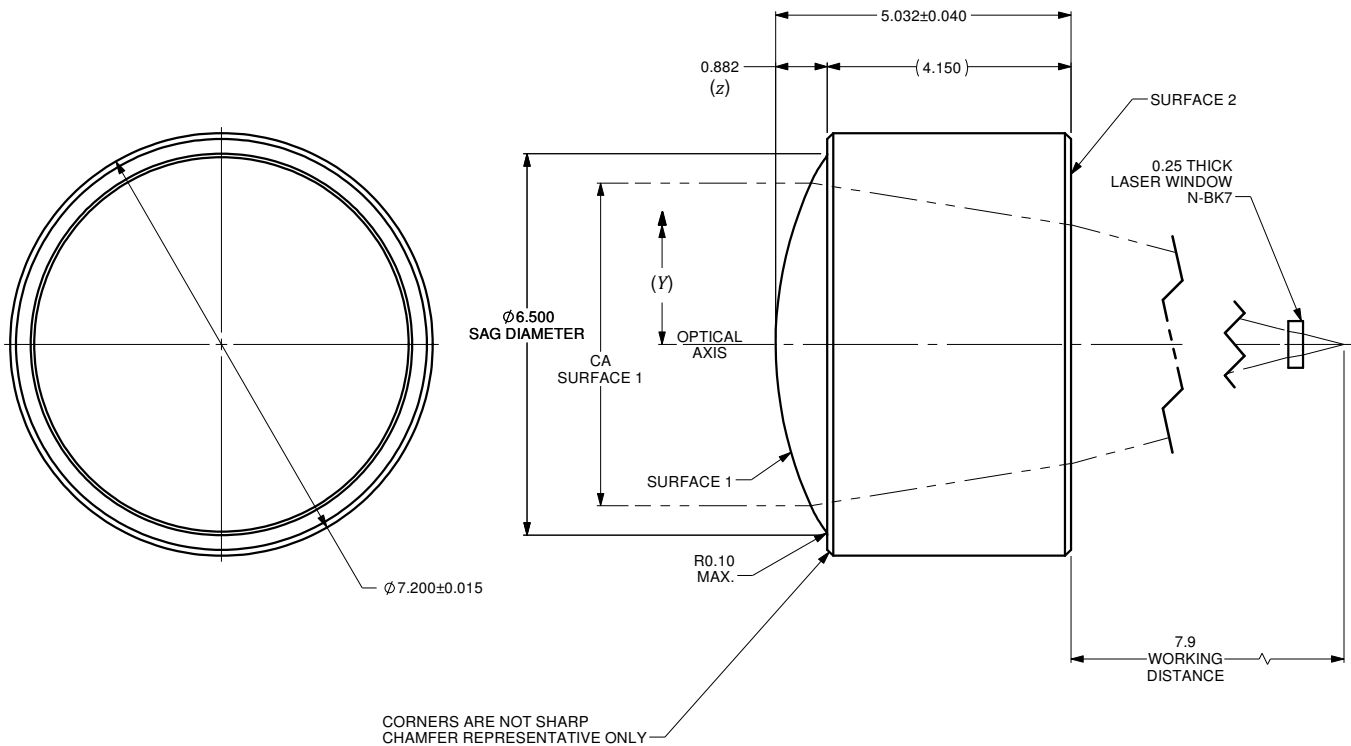


$$z = \frac{Y^2}{R \left(1 + \sqrt{1 - (1+k) \frac{Y^2}{R^2}} \right)} + A_4 Y^4 + A_6 Y^6 + \dots + A_n Y^n$$

	SURFACE 1	SURFACE 2
SURFACE TYPE	ASPHERIC	PLANO
CLEAR APERTURE (CA)	ø5.50mm	ø4.08mm MIN.
RADIUS OF CURVATURE	6.42215mm	INF.
k	-0.72454	0
A_4	8.63592E-5	0
A_6	4.19351E-7	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	0.25
EFFECTIVE FOCAL LENGTH	10.9mm

NOTES :

- MATERIAL: D-ZK3
- WAVEFRONT ABERRATION (RMS): $\lt; 0.05\lambda @ 632.8\text{nm}$
- AR COATING: 375-650 nm
REFLECTIVITY $R_{\text{avg}} \leq 0.50\%$

ALL DIMENSIONS ARE IN MILLIMETERS		A	N/A	ORIGINAL ISSUE	C.M.	17-SEP-2019	
DRAWN BY: P. SUMMERS	DATE: 9/17/2019	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.				PART BARCODE #: 2863	
M/S CHECKED BY:	DATE:	INCHES				219 WESTBROOK ROAD OTTAWA, ONTARIO CANADA K0A 1L0	
AP/VD BY:	DATE:	MILLIMETERS				www.ozoptics.com	
PROJECTION:		ANGULAR DIMENSIONS				ASPHERIC LENS f=11mm, OD=7.2mm. AR COATED FOR 375-650nm	
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SURFACE FINISH		MILLED	PROFLED:	SIZE: B	DWG.# 4000-0228	SHEET 1 OF 1	SCALE: 12:1