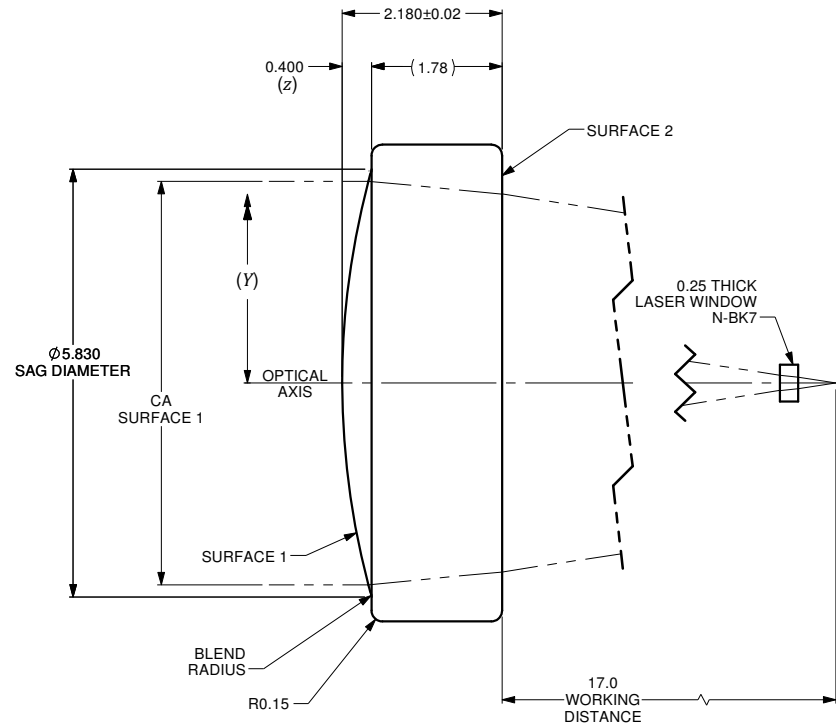
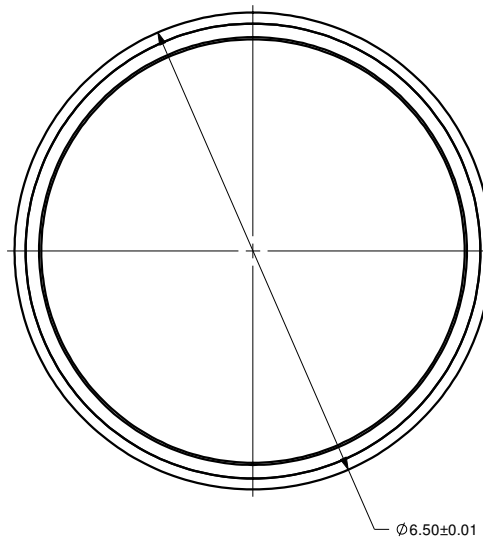


$$z = \frac{Y^2}{R \left(1 + \sqrt{1 - (1+k) \frac{Y^2}{R^2}} \right)} + A_4 Y^4 + A_6 Y^6 + \dots + A_n Y^n$$

	SURFACE 1	SURFACE 2
SURFACE TYPE	ASPHERIC	PLANO
CLEAR APERTURE (CA)	ø5.50mm	ø5.15mm MIN.
RADIUS OF CURVATURE	10.65991mm	INF.
<i>k</i>	-0.68649E005	0
<i>A₄</i>	1.04606E-005	0
<i>A₆</i>	0	0
<i>A₈</i>	0	0
<i>A₁₀</i>	0	0
<i>A₁₂</i>	0	0
<i>A₁₄</i>	0	0

VARIABLES	
<i>z</i>	SURFACE PROFILE
<i>Y</i>	DISTANCE FROM OPTICAL AXIS
<i>R</i>	RADIUS OF CURVATURE
<i>k</i>	CONIC CONSTANT
<i>A₄</i>	4th ORDER ASPHERIC COEFFICIENT
<i>A₆</i>	6th ORDER ASPHERIC COEFFICIENT
<i>A_n</i>	nth ORDER ASPHERIC COEFFICIENT



NUMERICAL APERTURE	0.15
EFFECTIVE FOCAL LENGTH	18.34mm

NOTES :

- MATERIAL: D-ZK3
- 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.	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 #: 16399	
M/S CHECKED BY:	DATE:	INCHES				219 WESTBROOK ROAD OTTAWA, ONTARIO CANADA K0A 1L0	
AP/VD BY:	DATE:	MILLIMETERS				www.ozoptics.com	
PROJECTION:		DESC: ASPHERIC LENS f=18mm, OD=6.5mm. AR COATED FOR 600-1050nm				REV A	
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.		ANGULAR DIMENSIONS		PART NO.		AS-F18-D6.5-600/1050	
		SURFACE FINISH		SIZE: B		DWG.# 4000-0235	
				MILLED 125u		PROFILED 63u	
				SIZE: B		DWG.# 4000-0235	
				SHEET 1 OF 1		SCALE: 15:1	