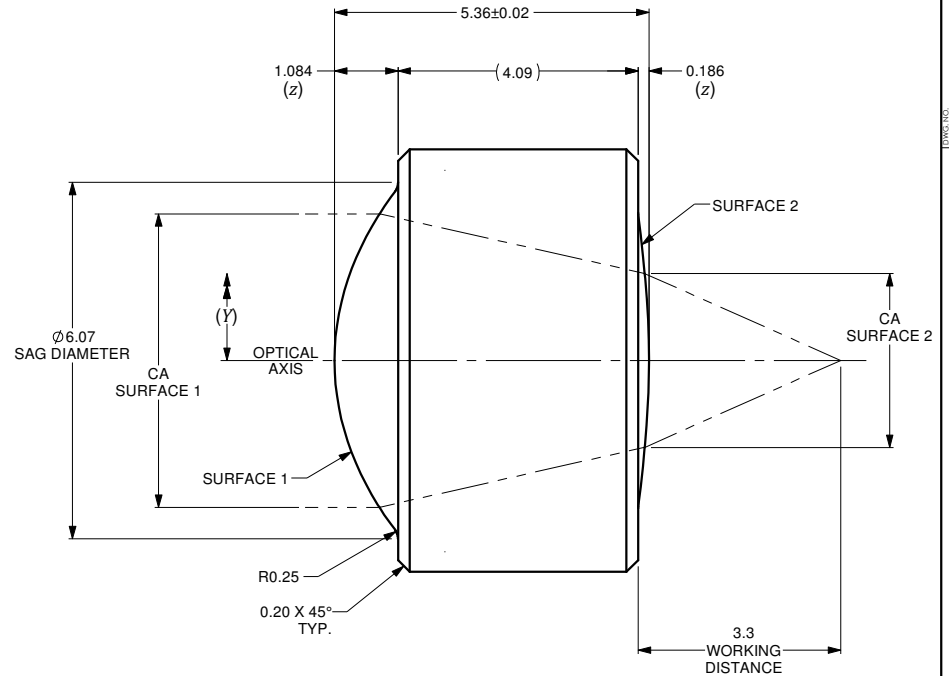
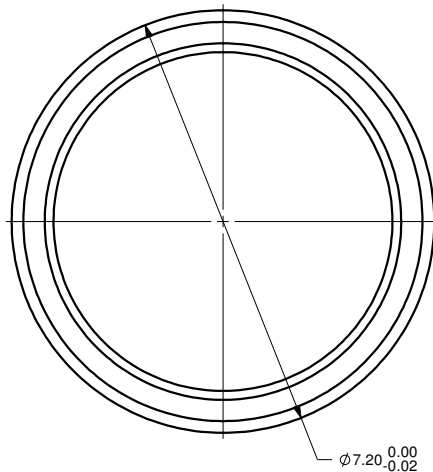


$$z = \frac{Y^2}{R \left(1 + \sqrt{1 - (1+k) \frac{Y^2}{R^2}} \right)} + A_4 Y^4 + A_6 Y^6 + \dots + A_n Y^n$$

	SURFACE 1	SURFACE 2
SURFACE TYPE	ASPHERIC	ASPHERIC
CLEAR APERTURE (CA)	ø5.0mm	ø3.0mm
RADIUS OF CURVATURE	4.237131mm	-13.1827
<i>k</i>	-1	0
<i>A</i> ₄	7.25389E-004	2.65034E-003
<i>A</i> ₆	3.84055E-006	-3.23871E-004
<i>A</i> ₈	-2.26349E-007	1.88232E-005
<i>A</i> ₁₀	-2.41526E-008	0
<i>A</i> ₁₂	0	0
<i>A</i> ₁₄	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>A</i> ₄	4th ORDER ASPHERIC COEFFICIENT
<i>A</i> ₆	6th ORDER ASPHERIC COEFFICIENT
<i>A</i> _{<i>n</i>}	<i>n</i> th ORDER ASPHERIC COEFFICIENT



NUMERICAL APERTURE	0.4
EFFECTIVE FOCAL LENGTH	6.2mm

NOTES :

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

A		N/A	ORIGINAL ISSUE	C.M.	17-SEP-2019
DRAWN BY: P. SUMMERS		DATE: 9/17/2019	UNLESS NOTED OTHERWISE, DIMENSIONS ARE IN MILLIMETERS. INCHES ARE IN SQUARE BRACKETS, AND TOLERANCES APPLY AS SHOWN BELOW.	ENG. BY	DATE
CHECKED BY:		DATE:	INCHES	PART BARCODE #: 556	
M/S CHECKED BY:		DATE:	BASIC DIMENSION	219 WESTBROOK ROAD OTTAWA, ONTARIO CANADA K6A 1L0	
AP/VD BY:		DATE:	DECIMAL PLACES	www.ozoptics.com	
PROJECTION:			BELOW 4	ASPHERIC LENS	
			OVER 4	f=6.2mm, OD=7.2mm. AR COATED FOR 600-1050nm	
			MILLIMETERS	PART NO. AS-F6.2-D7.2-600/1050	
			BASIC DIMENSION	REV A	
			DECIMAL PLACES	SCALE: 12:1	
			BELOW 101.6	SIZE: B	
			OVER 101.6	DWG.# 4000-0220	
			ANGULAR DIMENSIONS	SHEET 1 OF 1	
			BASIC DIMENSION	SCALE: 12:1	
			ALL ANGLES	SCALE: 12:1	
			SURFACE FINISH	SCALE: 12:1	
			MILLED	SCALE: 12:1	
			PROFILED	SCALE: 12:1	
			125μ	SCALE: 12:1	
			63μ	SCALE: 12:1	

4000-0220 A