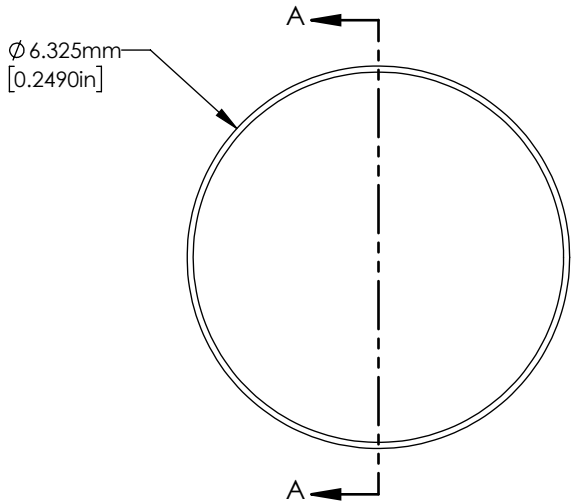
ASPHERIC COEFFICIENTS

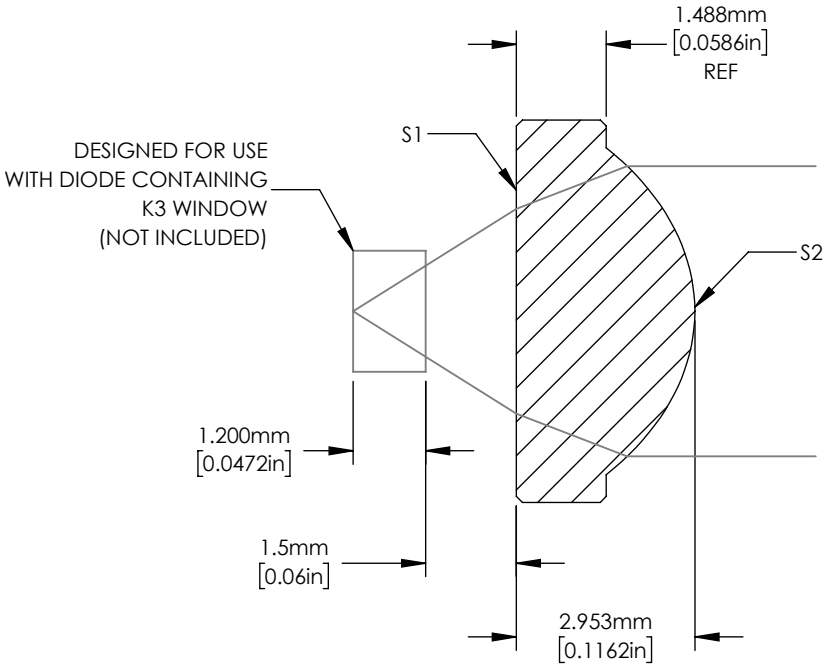
	R	k	A_4	A_6	A_8	A_{10}	A_{12}	A_{14}	A_{16}
S1	PLANO	-	-	-	-	-	-	-	-
S2	-2.843569	-0.899542	-2.313418E-03	-6.313816E-05	-7.072595E-07	4.552089E-08	8.836614E-09	3.778708E-10	-

ASPHERIC LENS EQUATION

$$z = \frac{Y^2}{R(1+\sqrt{1-(1+k)Y^2/R^2})} + A_4Y^4 + A_6Y^6 + A_8Y^8 + A_{10}Y^{10} + A_{12}Y^{12} + A_{14}Y^{14} + A_{16}Y^{16}$$







SECTION A-A

NOTES/SPECIFICATIONS:

1. MATERIAL: D-LAK6
2. REFRACTIVE INDEX: 1.690 @ 587.6nm
3. DESIGN WAVELENGTH: 410 nm
4. CLEAR APERTURE:
   (S1): Ø3.39 mm
   (S2): Ø4.80 mm
5. LASER WINDOW MATERIAL: K3
   WINDOW THICKNESS: 1.200 mm
   REFRACTIVE INDEX: 1.518 @ 587.6 nm
6. EFFECTIVE FOCAL LENGTH: 4.0 mm ±1.0%
7. NUMERICAL APERTURE: 0.62
8. DIAMETER TOLERANCE: ±0.015 mm
9. CENTER THICKNESS TOLERANCE: ±0.020 mm
10. SURFACE QUALITY: 40-20 SCRATCH-DIG (INCLUDES ENTIRE BULK MATERIAL)
11. RMS WFE: <0.14 λ @ 632.8 nm
12. MAGNIFICATION: INFINITE
13. COATING(S1&S2): BBAR Ravg <0.5% FROM 350-700 nm

FOR INFORMATION ONLY
NOT FOR MANUFACTURING PURPOSES

DRAWING PROJECTION		
	NAME	DATE
DRAWN	JAC	09/MAY/22
APPROVAL	DD	18/DEC/23

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VALUES IN PARENTHESIS ARE CALCULATED AND MAY CONTAIN ROUNDOFF ERRORS

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0.62 NA ASPHERIC LENS, f=4.0 mm, DW=410 nm, A COATED

MATERIAL	REV
SEE NOTES	C

ITEM #	APPROX WEIGHT
357610-A	0.2 g