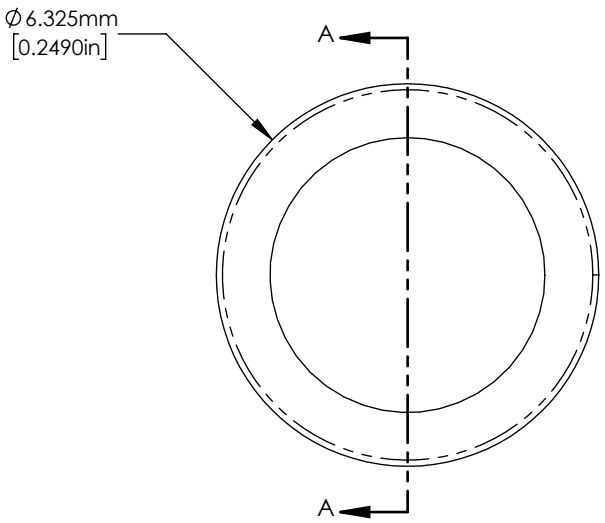
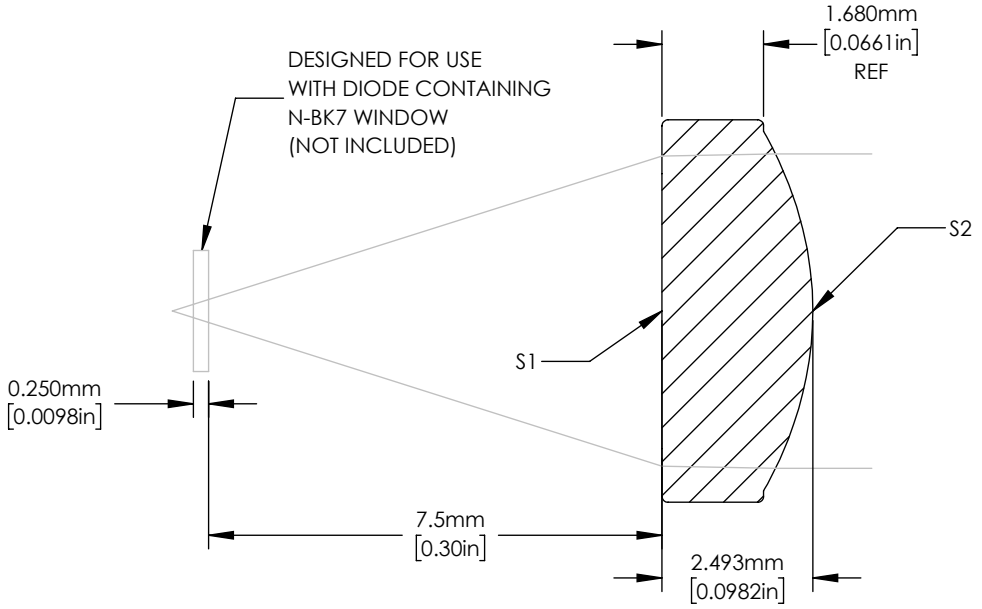
ASPHERIC COEFFICIENTS

	R	k	A_4	A_6	A_8	A_{10}	A_{12}	A_{14}	A_{16}
S1	PLANO	-	-	-	-	-	-	-	-
S2	-5.609928	-0.567434	2.387921E-07	7.569886E-07	1.692256E-08	2.305947E-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-ZK3
2. REFRACTIVE INDEX: 1.586 @ 587.6nm
3. DESIGN WAVELENGTH: 633 nm
4. CLEAR APERTURE:
   (S1): ∅5.13 mm
   (S2): ∅5.20 mm
5. LASER WINDOW MATERIAL: N-BK7
   WINDOW THICKNESS: 0.250 mm
   REFRACTIVE INDEX: 1.517 @ 587.6nm
6. EFFECTIVE FOCAL LENGTH: 9.6 mm ±1.0%
7. NUMERICAL APERTURE: 0.27
8. DIAMETER TOLERANCE: ±0.015 mm
9. CENTER THICKNESS TOLERANCE: ±0.050 mm
10. SURFACE QUALITY: 60-40 SCRATCH-DIG (INCLUDES ENTIRE BULK MATERIAL)
11. RMS WFE: ≤ DIFFRACTION LIMITED
12. COATING(S1&S2): BBAR Ravg<0.5% FROM 350-700 nm, 0° AOI

FOR INFORMATION ONLY
NOT FOR MANUFACTURING PURPOSES

DRAWING PROJECTION		
	NAME	DATE
DRAWN	JAC	24/DEC/19
APPROVAL	DD	05/DEC/23

COPYRIGHT © 2019 BY THORLABS

VALUES IN PARENTHESIS ARE CALCULATED AND MAY CONTAIN ROUNDOFF ERRORS

THORLABS
www.thorlabs.com

0.27 NA ASPHERIC LENS, f=9.6 mm, DW=633 nm, A COATED

MATERIAL	REV
SEE NOTES	C

ITEM #	APPROX WEIGHT
354060-A	0.18 g