NOTES:

1. SUBSTRATE:
   N-BK7

2. COATING (APPLY ACROSS CLEAR APERTURE)

   S1 & S2: NIR (600 - 1050nm)
   Ravg ≤1.5% @ 600 - 1050nm

3. EDGES: FINE GROUND

4. CENTERING: ≤5

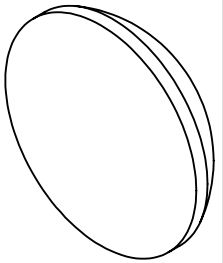
5. ASPHERE FIGURE ERROR: 1.2λ

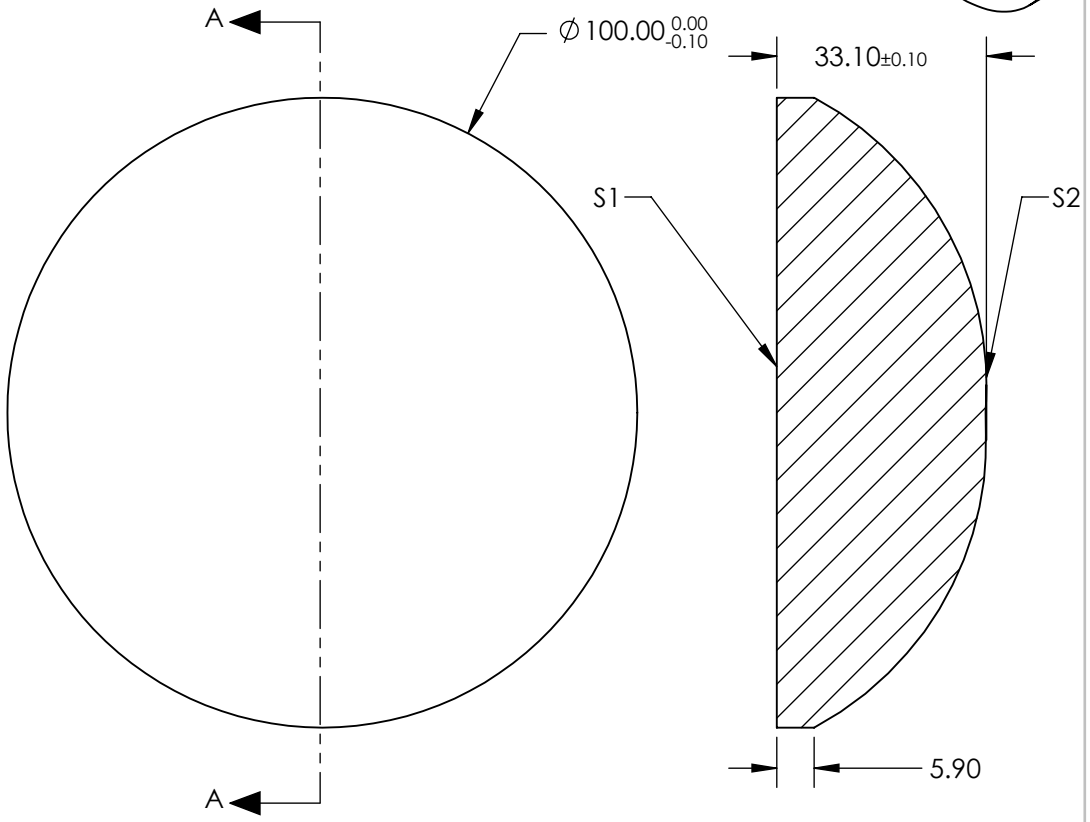
6. ROHS COMPLIANT

$$Z(Y)=\frac{\left(\frac{1}{\text{RADIUS}}\right)*Y^2}{1+\sqrt{1-(1+k)*\left(\frac{1}{\text{RADIUS}}\right)^2*Y^2}}+D*Y^2+E*Y^4+F*Y^6+G*Y^8+H*Y^{10}+J*Y^{12}+L*Y^{14}+M*Y^{16}$$

FOR INFORMATION ONLY:
DO NOT MANUFACTURE PARTS TO THIS DRAWING

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY





SECTION A-A

COEFFICIENT TABLE	
COEFFICIENT	S2
RADIUS	51.68
k	-1.000000E+00
D	0.000000E+00
E	4.050000E-07
F	2.660000E-11
G	1.480000E-15
H	1.330000E-19
J	-2.040000E-23
L	0.000000E+00
M	0.000000E+00

	S1	S2
SHAPE	PLANO	CONVEX
RADIUS	INFINITY	51.68
SURFACE QUALITY	60-40	60-40
CLEAR APERTURE	∅90	∅90
BEVEL	PROTECTED AS NEEDED	PROTECTED AS NEEDED

Edmund Optics®

THIRD ANGLE PROJECTION

TITLE: 100mm Dia., 0.50 Numerical Aperture NIR Coated, Aspheric Lens

ALL DIMS IN: mm

DWG NO: 22718

SHEET 14 OF 18