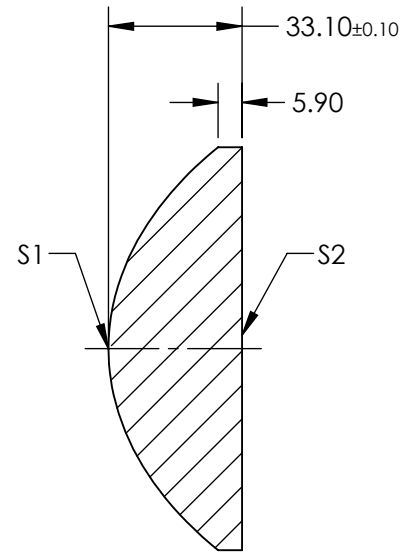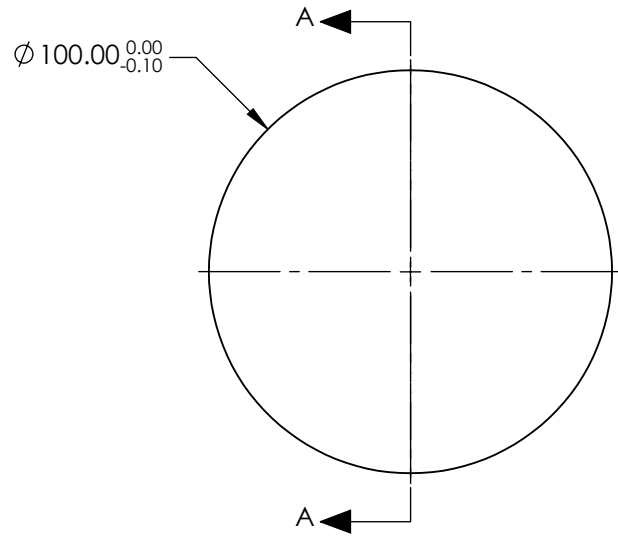NOTES:
1. SUBSTRATE: N-BK7

2. COATING (APPLY ACROSS CLEAR APERTURE)

      S1: NONE
      S2: NONE

3. EDGES: FINE GROUND

4. CENTERING: ≤5 ARCMIN

5. ASPHERE FIGURE ERROR: 0.75 µm RMS

$\triangle$6. ASPHERIC SURFACE DESCRIBED BY (REF. COEFFICIENT TABLE)

$$Z_{ASPH}(Y) = \frac{(1/_{RADIUS})*Y^2}{1+\sqrt{1-(1+k)*(1/_{RADIUS})^2*Y^2}} + D*Y^2 + E*Y^4 + F*Y^6 + G*Y^8 + H*Y^{10} + J*Y^{12} + L*Y^{14}$$

$\varnothing$ 100.00 $^{0.00}_{-0.10}$

33.10 ±0.10

5.90

S1

S2

SECTION A-A

A

A

COEFFIECIENT TABLE $\triangle$6.	
COEFFIECIENT	**S1**
SEMI-DIAMETER	5.000000E+01
(1/RADIUS)	1.934985E-02
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

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE DIMENSIONS ARE FOR REFERENCE ONLY

	S1	S2
SHAPE	CONVEX	PLANO
RADIUS	51.680	INFINITY
SURFACE QUALITY	60-40	60-40
CLEAR APERTURE	Ø90	Ø90
BEVEL MAX	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

EFL @ 587.6nm	100.00
BFL @ 587.6nm	78.18

THIRD ANGLE PROJECTION

ALL DIMS IN: mm

Edmund Optics®

TITLE: 100mm DIA., 0.50 NUMERICAL APERTURE UNCOATED, ASPHERIC LENS

DWG NO: 15006

SHEET 1 OF 1