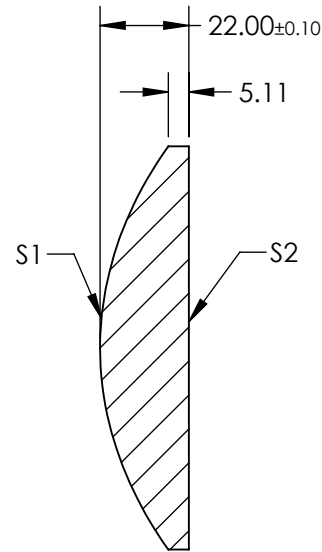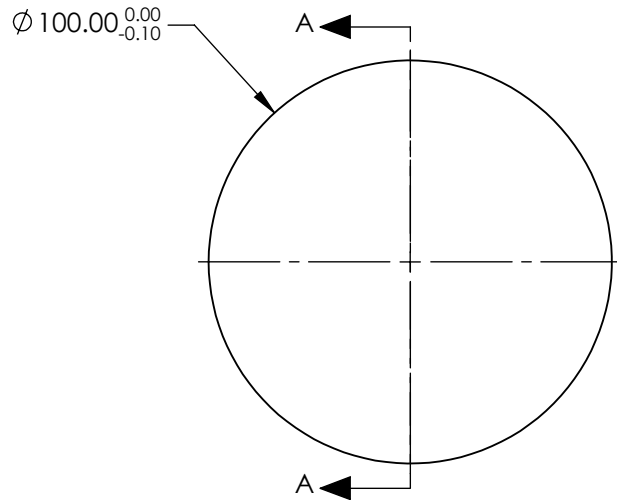NOTES:
1. SUBSTRATE: N-BK7

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

6. ASPHERIC SURFACE DESCRIBED BY (REF. COEFFICIENT TABLE)

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

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

22.00±0.10

5.11

S1   S2

SECTION A-A

COEFFIECIENT TABLE 6.	
COEFFIECIENT	**S1**
SEMI-DIAMETER	5.000000E+01
(1/RADIUS)	1.289990E-02
k	-7.150000E-01
D	0.000000E+00
E	3.860000E-08
F	1.245000E-12
G	0.000000E+00
H	0.000000E+00
J	0.000000E+00
L	0.000000E+00

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE DIMENSIONS ARE FOR REFERENCE ONLY

	S1	S2
SHAPE	CONVEX	PLANO
RADIUS	77.520	INFINITY
SURFACE QUALITY	60-40	60-40
CLEAR APERTURE	Ø90	Ø90
BEVEL MAX	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

EFL @ 587.6nm	150.00
BFL @ 587.6nm	135.50

THIRD ANGLE PROJECTION

Edmund Optics®

TITLE: 100mm DIA., 0.33 NUMERICAL APERTURE UNCOATED, ASPHERIC LENS

ALL DIMS IN   mm

DWG NO: 15009

SHEET 1 OF 1