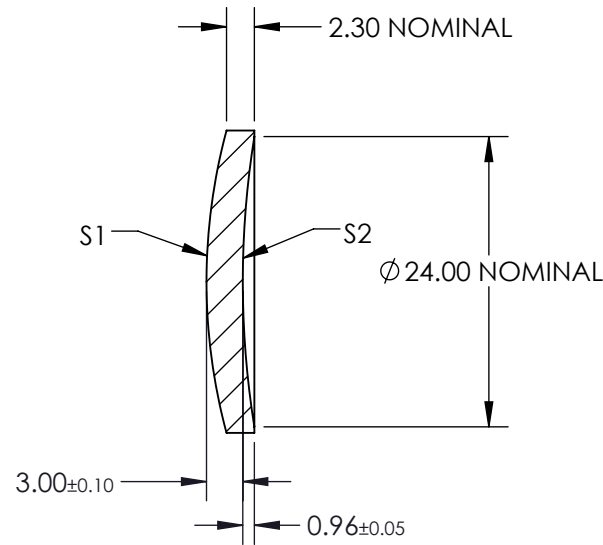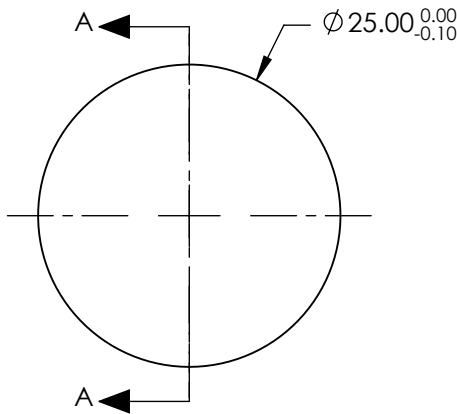NOTES:

1. SUBSTRATE: SILICON (SI)

2. COATING

   S1: NONE
   S2: NONE

3. EDGES: DIAMOND TURNED

4. CENTERING, ETD: <21.8 μm

5. RoHS: COMPLIANT

6. ASPHERIC SURFACE DESCRIBED BY THE FOLLOWING
   EQUATION AND COEFFICIENTS SHOWN IN TABLE BELOW

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

Ø 25.00 $^{0.00}_{-0.10}$

A
A

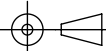SECTION A-A

2.30 NOMINAL

S1   S2

Ø 24.00 NOMINAL

3.00 ±0.10

0.96 ±0.05

COEFFICIENT TABLE	
COEFFIECIENT	S1
k	-1.221946E+00
D	0.000000E+00
E	0.000000E+00
F	0.000000E+00
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	CONCAVE
RADIUS	47.913	75.968
SURFACE ACCURACY	<0.3μm	N/A
SURFACE QUALITY	60-40	60-40
CLEAR APERTURE	90%	90%
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

EFL @ 4000nm: 50

BFL @ 4000nm: 47.78

THIRD ANGLE PROJECTION

Edmund Optics®

TITLE: 25mm DIA X 50mm FL UNCOATED, SI ASPHERIC LENS

ALL DIMS IN: mm

DWG NO: 89359

SHEET 1 OF 1