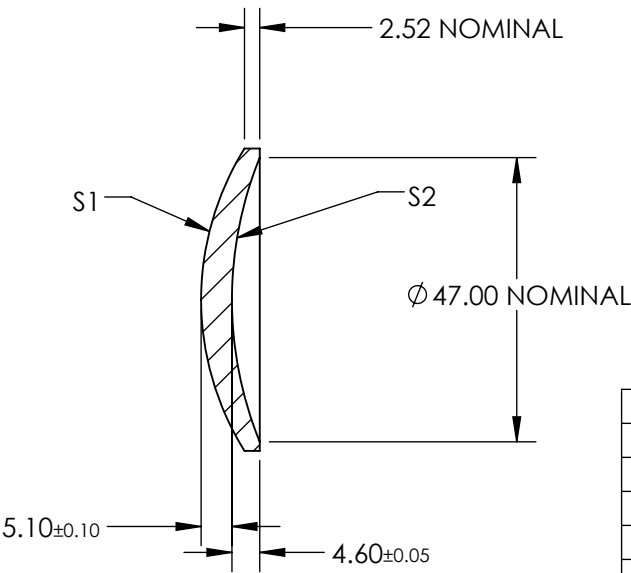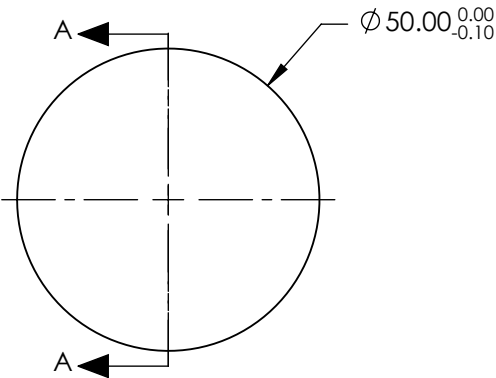NOTES:

1. SUBSTRATE: GERMANIUM (GE)

2. COATING

   S1: NONE
   S2: NONE

3. EDGES: DIAMOND TURNED

4. CENTERING: 5-3 arcmin

5. RoHS: COMPLIANT

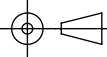6. ASPHERIC SURFACE DESCRIBED BY THE FOLLOWING EQUATION AND COEFFICIENTS SHOWN IN TABLE BELOW

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

A — A

$\varnothing 50.00^{0.00}_{-0.10}$

2.52 NOMINAL

S1   S2

$\varnothing 47.00$ NOMINAL

5.10±0.10

4.60±0.05

SECTION A-A

COEFFICIENT TABLE	
COEFFIECIENT	S1
k	0.000000E+00
D	0.000000E+00
E	-9.298507E-08
F	-3.145007E-11
G	-3.117166E-14
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	46.880	62.380
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: 45.92

THIRD ANGLE PROJECTION

Edmund Optics®

TITLE: 50mm DIA X 50mm FL UNCOATED, GE ASPHERIC LENS

ALL DIMS IN   mm

DWG NO   87994

SHEET 1 OF 1