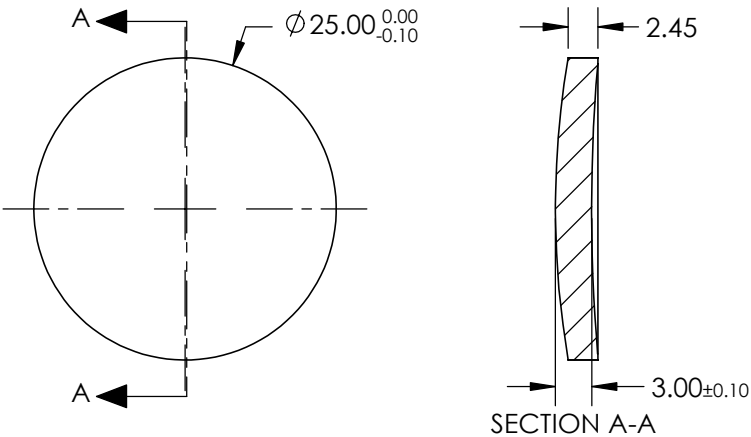NOTES:

1. SUBSTRATE: GERMANIUM (GE)

2. COATING

    S1: R(avg) <3.0% @ 3 - 5µm
    S2: R(avg) <3.0% @ 3 - 5µm

3. EDGES: DIAMOND TURNED

4. CENTERING: 3-5 arcmin

5. RoHS: COMPLIANT

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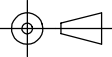   EQUATION AND COEFFICIENTS SHOWN IN TABLE BELOW

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

$\varnothing 25.00^{0.00}_{-0.10}$

2.45

3.00 ±0.10

SECTION A-A

A

A

COEFFICIENT TABLE	
COEFFIECIENT	S1
k	0.000000E+00
D	0.000000E+00
E	-1.433146E-007
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	74.64	142.900
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: 48.44

THIRD ANGLE PROJECTION

Edmund Optics®

TITLE: 25mm DIA X 50mm FL 3-5µm COATED, GE ASPHERIC LENS

ALL DIMS IN mm

DWG NO: 68249

SHEET 1 OF 1