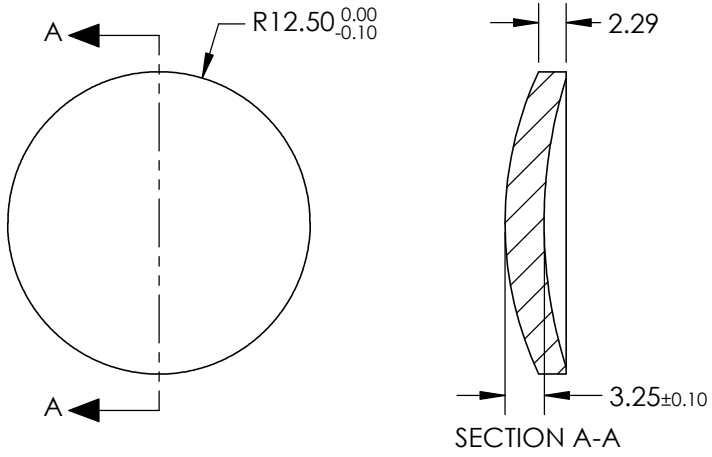
NOTES:

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

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

FOR INFORMATION ONLY:
DO NOT MANUFACTURE PARTS TO THIS DRAWING



COEFFICIENT TABLE	
COEFFIECIENT	S1
k	0.000000E+00
D	0.000000E+00
E	-3.9735336E-7
F	-6.3265251E-10
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	29.460	40.000
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: 30
BFL @ 4000nm: 27.52
THIRD ANGLE PROJECTION
ALL DIMS IN mm

Edmund Optics®

TITLE: 25mm DIA X 30mm FL 3-5µm COATED, GE ASPHERIC LENS
DWG NO: 68247
SHEET 1 OF 1