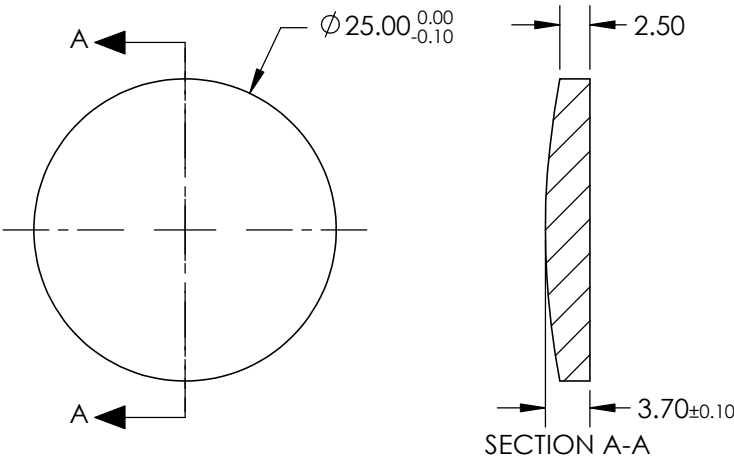


NOTES:

1. SUBSTRATE: GERMANIUM (GE)
2. COATING
S1: R{avg} <5.0% @ 3 - 12µm
S2: R{avg} <5.0% @ 3 - 12µm
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

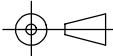
$$Z_{ASPH}(Y) = \frac{(\frac{1}{RADIUS}) * Y^2}{1 + \sqrt{1 - (1+k) * (\frac{1}{RADIUS})^2 * Y^2}} + D * Y^2 + E * Y^4 + F * Y^6 + G * Y^8 + H * Y^{10} + J * Y^{12} + L * Y^{14}$$

**FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING**



COEFFICIENT TABLE	
COEFFICIENT	S1
k	0.000000E+00
D	0.000000E+00
E	-4.6563857e-6
F	3.1968018e-9
G	-2.1077437e-12
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			L	0.000000E+00	
SHAPE	CONVEX	PLANO	EFL @ 4000nm: 20		 Edmund Optics®		
RADIUS	60.500	∞	BFL @ 4000nm: 19.08				
SURFACE ACCURACY	0.3µm	N/A			TITLE	25mm DIA X 20mm FL 3-12µm COATED, GE ASPHERIC LENS	
SURFACE QUALITY	60-40	60-40					
CLEAR APERTURE	90%	90%					
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED	ALL DIMS IN	mm	DWG NO	89609	SHEET 1 OF 1