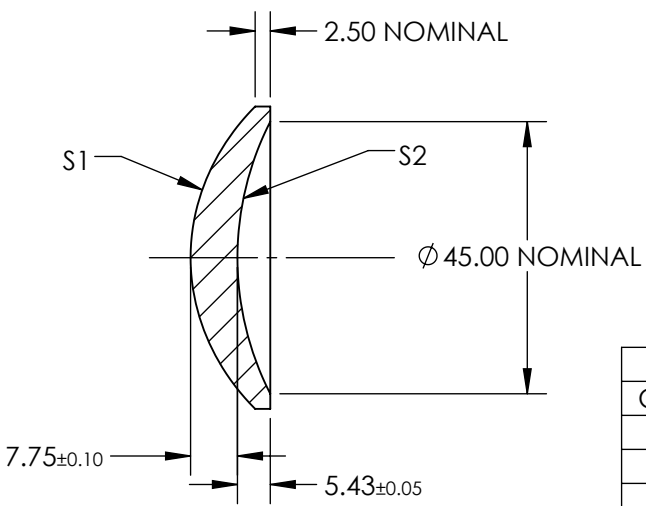
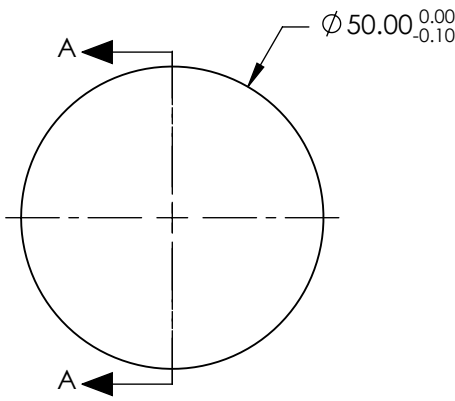


NOTES:

- 1. SUBSTRATE: GERMANIUM (GE)
- 2. COATING
  - S1: R{avg} <3.0% @ 8 - 12µm
  - S2: R{avg} <3.0% @ 8 - 12µm
- 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

FOR INFORMATION ONLY:  
DO NOT MANUFACTURE  
PARTS TO THIS DRAWING


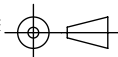
$$Z_{ASPH}(Y) = \frac{(\frac{1}{RADIUS}) * Y^2}{1 + \sqrt{1 - (1 + k) * (\frac{1}{RADIUS})^2 * Y^2}} + D * Y^2 + E * Y^4 + F * Y^6 + G * Y^8 + H * Y^{10} + J * Y^{12} + L * Y^{14}$$



SECTION A-A

COEFFICIENT TABLE	
COEFFICIENT	S1
k	0.000000E+00
D	0.000000E+00
E	-7.810106E-07
F	-1.041779E-09
G	1.012919E-12
H	-1.864254E-15
J	0.000000E+00
L	0.000000E+00

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY

	S1	S2				
SHAPE	CONVEX	CONCAVE	EFL @ 4000nm: 25	 Edmund Optics®		
RADIUS	33.384	49.340	BFL @ 4000nm: 20.64			
SURFACE ACCURACY	0.3µm	N/A		TITLE		50mm DIA X 25mm FL 8-12µm 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	87997
					SHEET 1 OF 1	