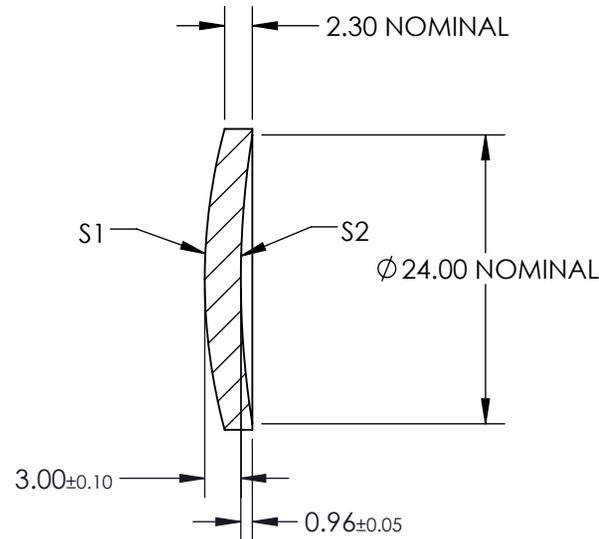
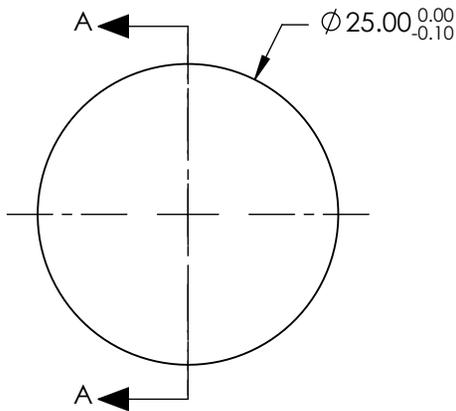


NOTES:

1. SUBSTRATE: SILICON (SI)
2. COATING  
 S1: R(avg) <3% @ 3 - 5µm  
 S2: R(avg) <3% @ 3 - 5µm
3. EDGES: DIAMOND TURNED
4. CENTERING, ETD: <21.8 µm
5. RoHS: COMPLIANT
6. ASPHERIC SURFACE DESCRIBED BY THE FOLLOWING EQUATION AND COEFFICIENTS SHOWN IN TABLE BELOW

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

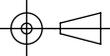
**FOR INFORMATION ONLY:  
DO NOT MANUFACTURE  
PARTS TO THIS DRAWING**



SECTION A-A

COEFFICIENT TABLE	
COEFFICIENT	S1
k	-0.1221946E+00
D	0.000000E+00
E	0.000000E+00
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	EFL @ 4000nm: 50	 <b>Edmund Optics®</b>			
RADIUS	47.913	75.968	BFL @ 4000nm: 47.78				
SURFACE ACCURACY	<0.3µm	N/A	THIRD ANGLE PROJECTION 	TITLE	25mm DIA X 50mm FL 3-5µm AR COATED, SI ASPHERIC LENS		
SURFACE QUALITY	60-40	60-40	ALL DIMS IN	mm	DWG NO	89618	SHEET 1 OF 1
CLEAR APERTURE	90%	90%					
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED					