

NOTES:

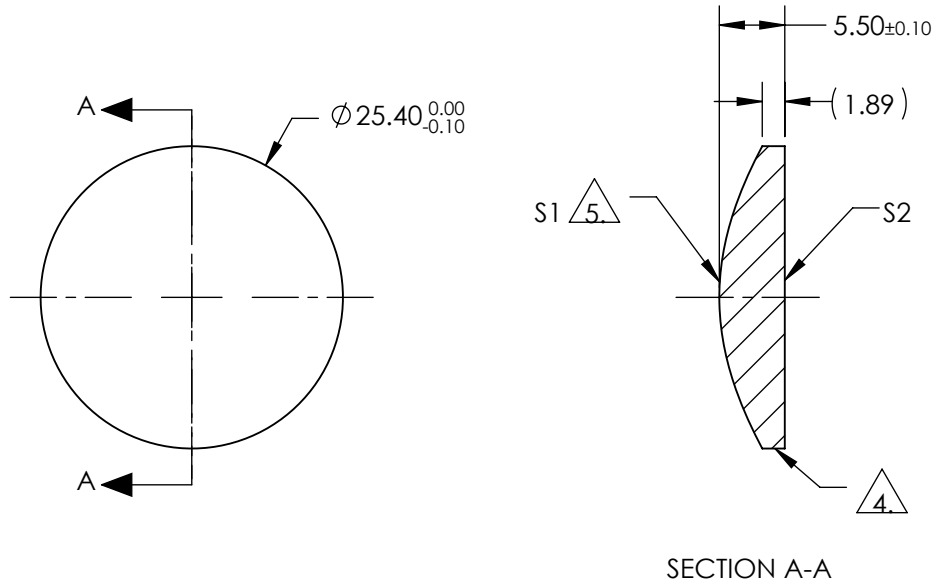
- SUBSTRATE:
II-VI Infrared ZnSe
- CENTERING TOLERANCE:
EDGE THICKNESS VARIATION MEASURED AT THE CLEAR APERTURE OF S1 NOT TO EXCEED 12.7μm
- COATING (APPLY ACROSS COATING APERTURE):
S1 & S2: NONE

4. FINE GRIND SURFACE

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

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

- SURFACE ROUGHNESS: 50 Å



COEFFICIENT TABLE 5.	
COEFFICIENT	S1
SEMI-DIAMETER	1.270000E+01
(1/RADIUS)	4.751722E-02
k	-1.101191E+00
D	0.000000E+00
E	-6.138258E-06
F	-1.110729E-08
G	2.387990E-11
H	0.000000E+00
J	0.000000E+00
L	0.000000E+00

	S1	S2				
SHAPE	CONVEX	PLANO				
RADIUS	21.045	INFINITY	EFL (AT 10.6μm)	(15.00)		
SURFACE QUALITY	40-20	40-20	BFL (AT 10.6μm)	(12.71)		
CLEAR APERTURE	Ø22.86	Ø22.86	THIRD ANGLE PROJECTION		TITLE	25.4mm Dia. x 15.0mm FL Uncoated, Zinc Selenide Aspheric Lens
POWER at 632.8nm	2.0 RINGS	2.0 RINGS	ALL DIMS IN	mm	DWG NO	39472
IRREGULARITY at 632.8nm	1.0 RING	1.0 RING				
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED				

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

SPECIFICATIONS SUBJECT TO CHANGE
WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY