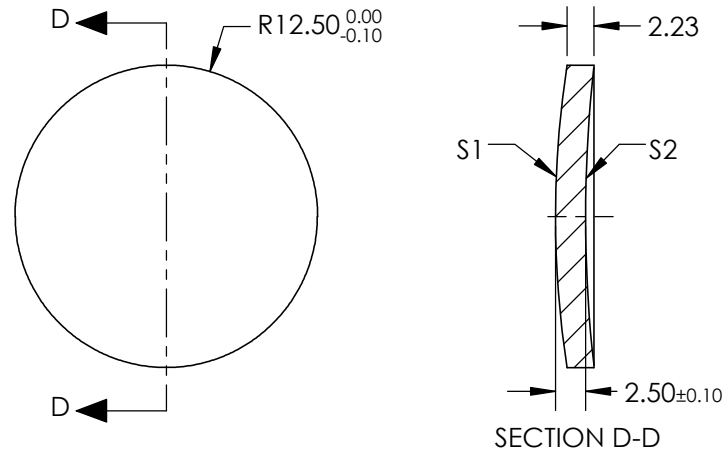


NOTES:

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


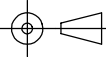
**FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING**

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



COEFFICIENT TABLE	
COEFFICIENT	S1
k	0.000000E+00
D	0.000000E+00
E	-1.2847911E-8
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	EFL @ 4000nm: 100		 Edmund Optics®	
SHAPE	CONVEX	CONCAVE	BFL @ 4000nm: 97.73			
RADIUS	83.000	111.000	 THIRD ANGLE PROJECTION		TITLE 25mm DIA X 100mm FL 3-5µm COATED, HYBRID GE ASPHERIC LENS	
SURFACE ACCURACY	0.3µm	N/A				
SURFACE QUALITY	60-40	60-40	ALL DIMS IN mm		DWG NO 68267	
CLEAR APERTURE	96%	96%				
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED			SHEET 1 OF 1	