NOTES:

1. SUBSTRATE: GERMANIUM

2. COATING (APPLY ACROSS CLEAR APERTURE)

   S1 & S2: BBAR (8000-12000nm)
   Ravg <3.0% @ 8 - 12µm

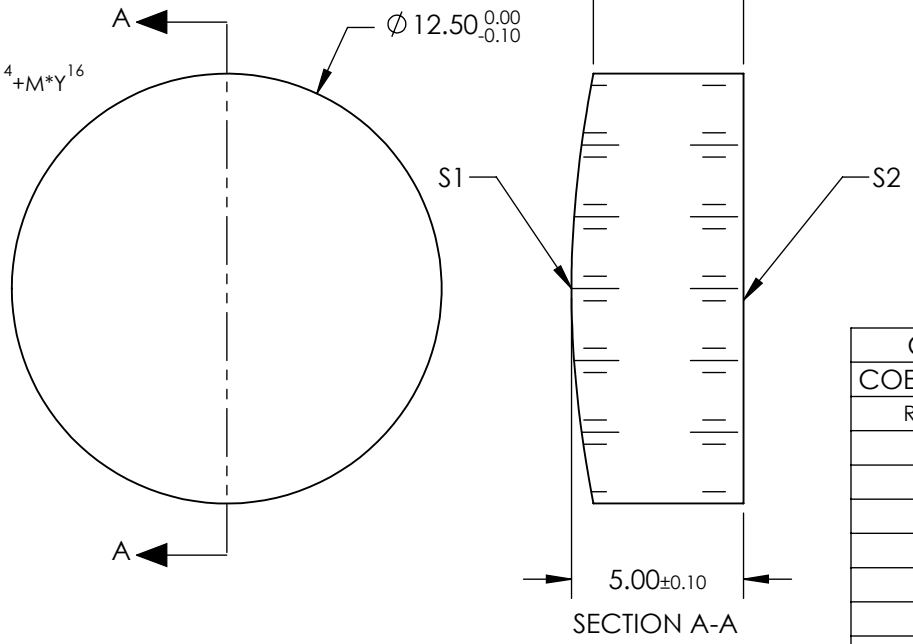
3. EDGES: DIAMOND TURNED

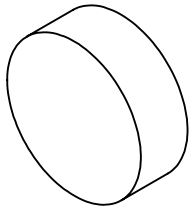
4. CENTERING: ≤5 arcmin

5. ROHS COMPLIANT

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

$$Z(Y)=\frac{\left(\frac{1}{RADIUS}\right)*Y^2}{1+\sqrt{1-(1+k)*\left(\frac{1}{RADIUS}\right)^2*Y^2}}+D*Y^2+E*Y^4+F*Y^6+G*Y^8+H*Y^{10}+J*Y^{12}+L*Y^{14}+M*Y^{16}$$





COEFFICIENT TABLE	
COEFFICIENT	S1
RADIUS	28.564
k	-9.000000E-01
D	0.000000E+00
E	-3.481354E-05
F	8.125769E-08
G	0.000000E+00
H	0.000000E+00
J	0.000000E+00
L	0.000000E+00
M	0.000000E+00

FOR INFORMATION ONLY:
DO NOT MANUFACTURE PARTS TO THIS DRAWING

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

	S1	S2
SHAPE	PLANO	PLANO
RADIUS	28.564	INFINITE
SURFACE QUALITY	60-40	60-40
CLEAR APERTURE	∅11.25	∅11.25
BEVEL	PROTECTED AS NEEDED	PROTECTED AS NEEDED

Edmund Optics®

THIRD ANGLE PROJECTION

TITLE: 12.5mm Dia x 9.5mm FL 8-12µm Coated, Ge Aspheric Lens

ALL DIMS IN: mm

DWG NO: 22779

SHEET 3 OF 12