NOTES:

1. SUBSTRATE: N-SF5

2. COATING (APPLY ACROSS CLEAR APERTURE)

   S1 & S2: SWIR+ (900-1700nm)

   R(AVG) <0.5% @ 900 - 1700nm @ ±30° AOI
   R(ABS) <1% @ 900 - 1700nm @ ±30° AOI

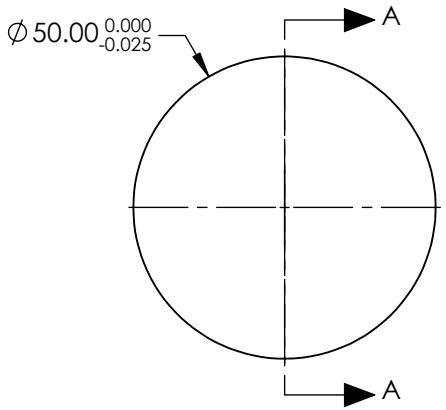
3. EDGES: FINE GROUND

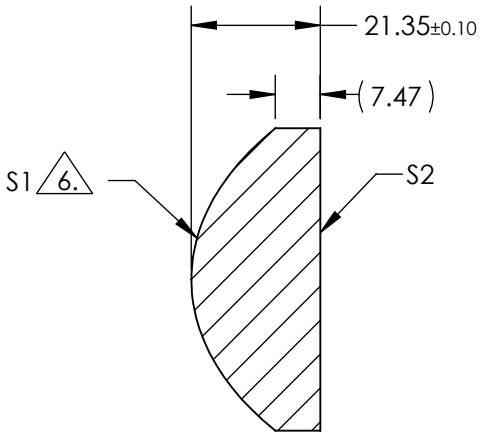
4. CENTERING: <3 ARCMIN

5. ASPHERE FIGURE ERROR: 0.25µm RMS

△6. ASPHERIC SURFACE DESCRIBED BY (REF. COEFFICIENT TABLE)

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





SECTION A-A

COEFFIECIENT TABLE △6.	
COEFFIECIENT	**S1**
SEMI-DIAMETER	2.500000E+01
(1/RADIUS)	3.964164E-02
k	-1.187653E+00
D	0.000000E+00
E	4.967341E-06
F	4.493814E-10
G	-6.114163E-14
H	-3.368368E-16
J	0.000000E+00
L	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	CONVEX	PLANO
RADIUS	25.226	INFINITY
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	Ø45.00	Ø45.00
BEVEL MAX	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

EFL @ 587.6nm	37.50
BFL @ 587.6nm	24.74
THIRD ANGLE PROJECTION	
ALL DIMS IN	mm

Edmund Optics®

TITLE	50mm Dia., 0.66 Numerical Aperture, 900-1700nm Coated, Inked, High Precision Aspheric Lens
DWG NO	17011INK
SHEET	1 OF 1