NOTES:

1. SUBSTRATE: N-SF6

2. COATING (APPLY ACROSS CLEAR APERTURE)

   S1&S2: NIR+
   R(AVG) < 0.5% FROM 600-1050nm @ +/-30° AOI; R(ABS) < 1.5% FROM 600-1050nm @ +/-30° AOI

3. EDGES: FINE GROUND

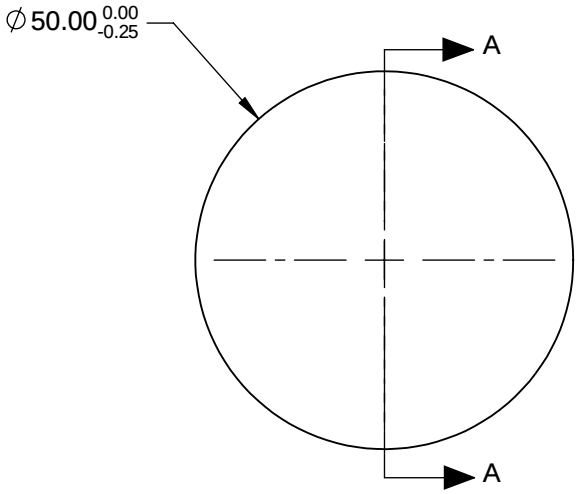
4. CENTERING: <3 ARCMIN

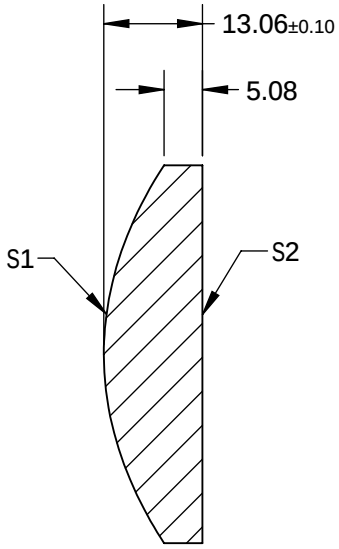
5. ASPHERE FIGURE ERROR: 0.25 µm RMS

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

FOR INFORMATION ONLY:
DO NOT MANUFACTURE PARTS TO THIS DRAWING

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





SECTION A-A

COEFFIECIENT TABLE 6.	
COEFFIECIENT	**S1**
SEMI-DIAMETER	1.500000E+01
(1/RADIUS)	2.483917E-02
k	-7.704652E-01
D	0.000000E+00
E	1.478988E-07
F	-7.467807E-11
G	-5.681265E-14
H	1.782650E-17
J	0.000000E+00
L	0.000000E+00

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE DIMENSIONS ARE FOR REFERENCE ONLY

	S1	S2
SHAPE	CONVEX	PLANO
RADIUS	40.259	INFINITY
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	Ø45.00	Ø45.00
BEVEL MAX	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

EFL @ 587.6nm	50.00
BFL @ 587.6nm	42.77

THIRD ANGLE PROJECTION

ALL DIMS IN: mm

Edmund Optics®

TITLE: 50mm Dia., 0.50 Numerical Aperture, 600-1050nm Coated, Precision Aspheric Lens

DWG NO: 23022

SHEET 1 OF 1