NOTES:

1. SUBSTRATE: N-SF6

2. COATING (APPLY ACROSS CLEAR APERTURE)

   S1&S2: SWIR+

   R(AVG) < 0.5% FROM 900-1700nm @ +/-30° AOI; R(ABS) < 1.5% FROM 900-1700nm @ +/-30° AOI

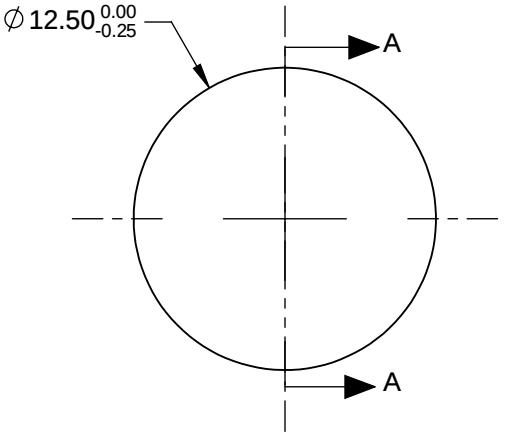
3. EDGES: FINE GROUND

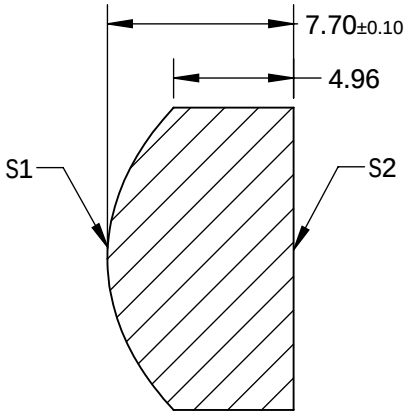
4. CENTERING: <3 ARCMIN

5. ASPHERE FIGURE ERROR: 0.25 µm RMS

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

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





SECTION A-A

FOR INFORMATION ONLY:
DO NOT MANUFACTURE PARTS TO THIS DRAWING

COEFFIECIENT TABLE 6.	
COEFFIECIENT	**S1**
SEMI-DIAMETER	6.250000E+00
(1/RADIUS)	0.130736044
k	-1.2808690
D	0.0000000E+00
E	2.0210150E-04
F	-2.4065350E-08
G	-4.7744790E-09
H	0.0000000E+00
J	0.0000000E+00
L	0.0000000E+00

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE DIMENSIONS ARE FOR REFERENCE ONLY

	S1	S2
SHAPE	CONVEX	PLANO
RADIUS	7.649	INFINITY
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	Ø11.25	Ø11.25
BEVEL MAX	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

EFL @ 587.6nm	9.50
BFL @ 587.6nm	5.23
THIRD ANGLE PROJECTION	
ALL DIMS IN	mm

Edmund Optics®

TITLE	12.5mm Dia., 0.66 Numerical Aperture, 900-1700nm Coated, Precision Aspheric Lens
DWG NO	22756
SHEET	1 OF 1