NOTES:

1. SUBSTRATE: N-SF6

2. COATING (APPLY ACROSS CLEAR APERTURE)

   S1 & S2: NIR+ (600-1050nm)

   R(AVG) <0.5% @ 600 - 1050nm @ ±30° AOI
   R(ABS) <1.5% @ 600 - 1050nm @ ±30° AOI

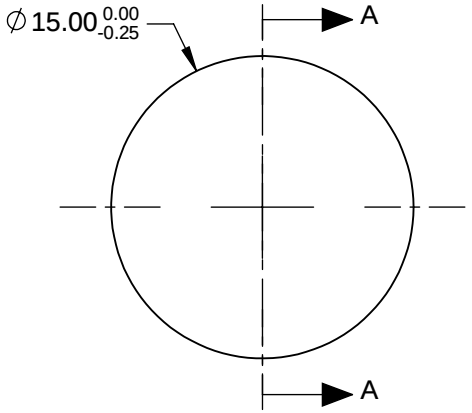
3. EDGES: FINE GROUND

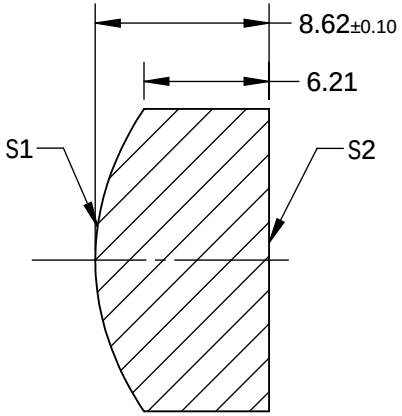
4. CENTERING: <3 ARCMIN

5. ASPHERE FIGURE ERROR RMS @ 632.8nm: 0.4λ

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	7.500000E+00
(1/RADIUS)	8.279516E-02
k	-9.820666E-01
D	0.000000E+00
E	2.608586E-05
F	-5.633708E-09
G	-1.621792E-10
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
SHAPE	CONVEX	PLANO
RADIUS	12.078	INFINITY
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	Ø13.5	Ø13.5
BEVEL MAX	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

EFL @ 587.6nm	15
BFL @ 587.6nm	10.22
THIRD ANGLE PROJECTION	
ALL DIMS IN	mm

Edmund Optics®

TITLE	15mm Dia., 0.50 Numerical Aperture, 600-1050nm Coated, Precision Aspheric Lens
DWG NO	16973
SHEET	1 OF 1