

NOTES:

1. SUBSTRATE: N-SF6

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

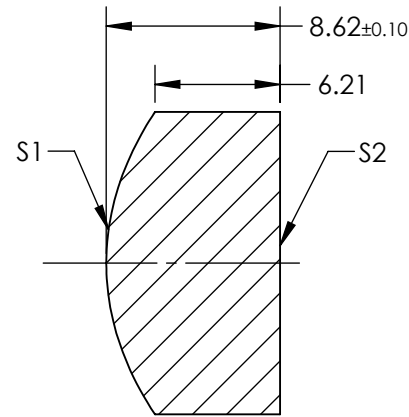
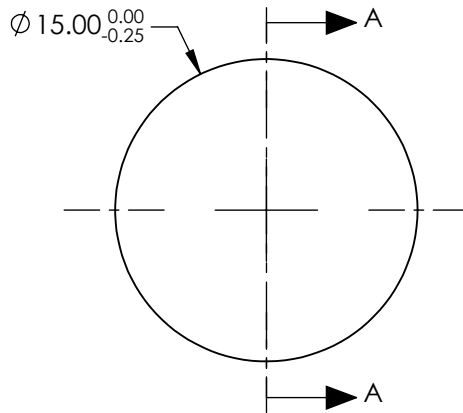
3. EDGES: FINE GROUND

4. CENTERING: <3 ARCMIN

5. ASPHERE FIGURE ERROR: 0.25 µm RMS

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

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

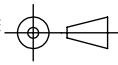
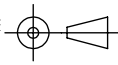


SECTION A-A

COEFFICIENT TABLE 6.

COEFFICIENT	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	EFL @ 587.6nm	15.00	 Edmund Optics®	
SHAPE	CONVEX	PLANO	BFL @ 587.6nm	10.22		
RADIUS	12.078	INFINITY			15mm Dia., 0.50 Numerical Aperture, 900-1700nm Coated, Inked, High Precision Aspheric Lens	
SURFACE QUALITY	40-20	40-20				
CLEAR APERTURE	Ø13.5	Ø13.5			16993INK	
BEVEL MAX	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED				
			ALL DIMS IN	mm	DWG NO	SHEET 1 OF 1

**FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING**