

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

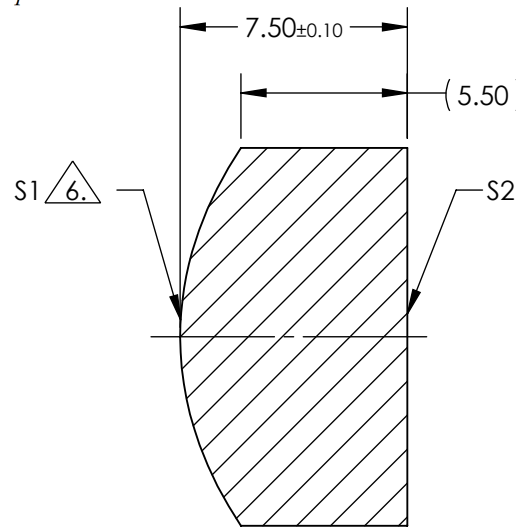
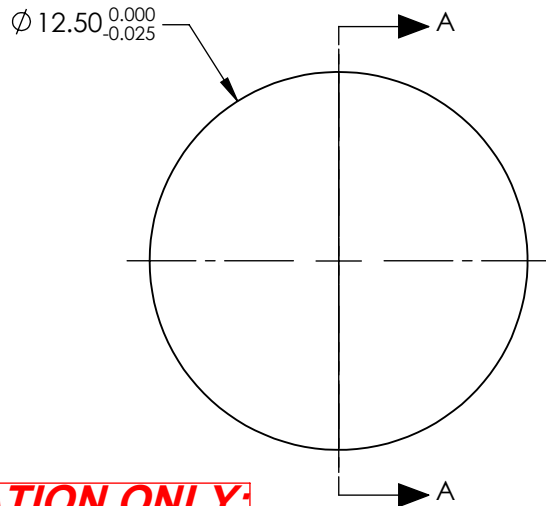
3. EDGES: FINE GROUND

4. CENTERING: < 1 ARCMIN

5. ASPHERE FIGURE ERROR: 0.25µm RMS

△ ASPHERIC SURFACE DESCRIBED BY (REF. COEFFICIENT TABLE)

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



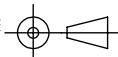
SECTION A-A

COEFFICIENT TABLE △ 6.

COEFFICIENT	S1
SEMI-DIAMETER	6.250000E+00
(1/RADIUS)	0.993542E-01
k	-0.896905E+00
D	0.000000E+00
E	3.548963E-05
F	-1.564954E-08
G	-6.085027E-10
H	0.000000E+00
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	EFL @ 587.6nm	12.50	 Edmund Optics®	
SHAPE	CONVEX	PLANO	BFL @ 587.6nm	8.34		
RADIUS	10.065	INFINITY			TITLE	12.5mm Dia., 0.50 Numerical Aperture, 900-1700nm Coated, Inked, High Precision Aspheric Lens
SURFACE QUALITY	40-20	40-20			DWG NO	16992INK
CLEAR APERTURE	Ø11.25	Ø11.25	ALL DIMS IN	mm		SHEET 1 OF 1
BEVEL MAX	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED				