

NOTES:

1. SUBSTRATE: N-BK7

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

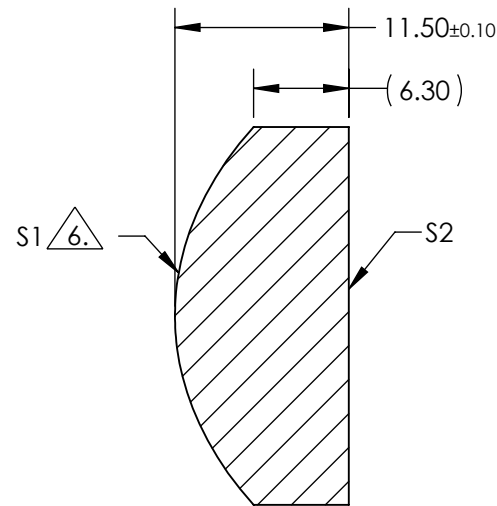
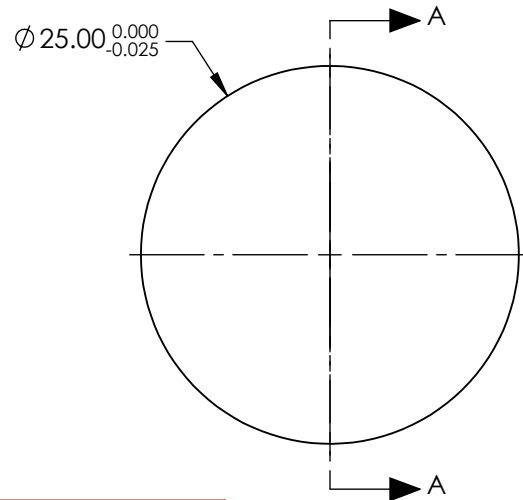
3. EDGES: FINE GROUND

4. CENTERING: <3 ARCMIN

5. ASPHERE FIGURE ERROR: 0.25µm RMS

6. 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	1.250000E+01
(1/RADIUS)	6.191951E-02
k	-7.273507E-01
D	0.000000E+00
E	5.265077E-06
F	4.895077E-09
G	4.578146E-12
H	-5.656986E-15
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	31.25	 Edmund Optics®			
SHAPE	CONVEX	PLANO	BFL @ 587.6nm	23.67				
RADIUS	16.150	INFINITY	<div>THIRD ANGLE PROJECTION</div>		TITLE	25mm Dia., 0.40 Numerical Aperture, 900-1700nm Coated, Inked, High Precision Aspheric Lens		
SURFACE QUALITY	40-20	40-20						
CLEAR APERTURE	Ø22.50	Ø22.50						
BEVEL MAX	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED	ALL DIMS IN	mm	DWG NO	16999INK		SHEET 1 OF 1