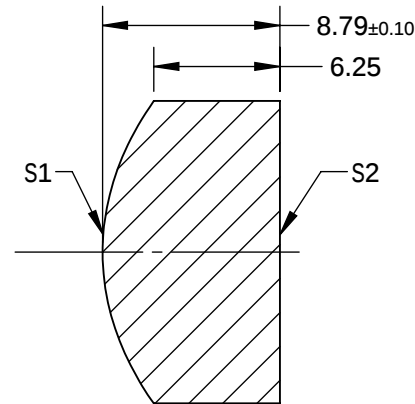
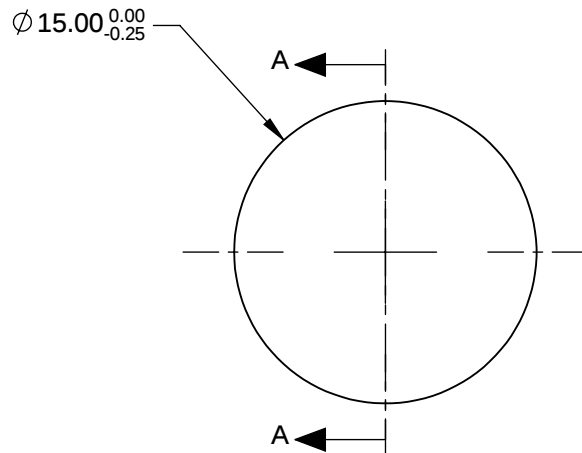


NOTES:

- SUBSTRATE: N-BK7
- 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
- EDGES: FINE GROUND
- CENTERING: <3 ARCMIN
- ASPHERE FIGURE ERROR: 0.25 μm RMS

△ ASPHERIC SURFACE DESCRIBED BY (REF. COEFFICIENT TABLE)

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

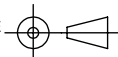


SECTION A-A

COEFFICIENT TABLE △ 6.

COEFFICIENT	S1
SEMI-DIAMETER	7.500000E+00
(1/RADIUS)	8.598452E-02
k	-9.011640E-01
D	0.000000E+00
E	2.773168E-05
F	5.678751E-08
G	-3.671194E-11
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	22.50	 Edmund Optics®		
SHAPE	CONVEX	PLANO	BFL @ 587.6nm	16.71			
RADIUS	11.630	INFINITY	THIRD ANGLE PROJECTION 		TITLE 15mm Dia., 0.33 Numerical Aperture, 900-1700nm Coated, Precision Aspheric Lens		
SURFACE QUALITY	40-20	40-20					
CLEAR APERTURE	Ø13.75	Ø13.75	ALL DIMS IN mm		DWG NO 22997		
BEVEL MAX	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED					
					SHEET 1 OF 1		

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