

NOTES:

1. SUBSTRATE: N-SF5

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

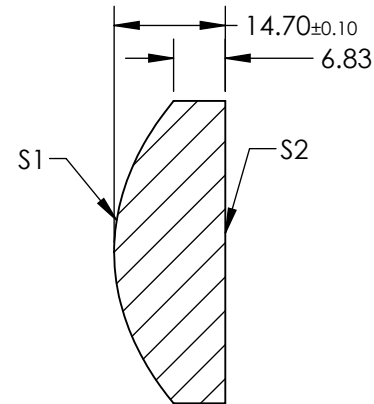
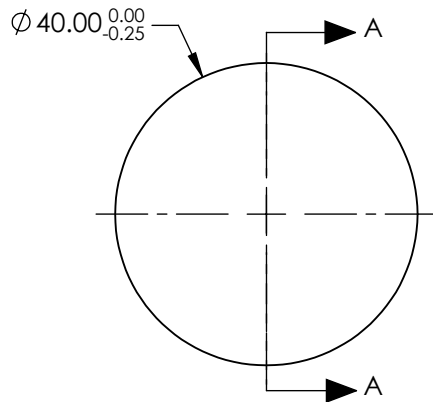
3. EDGES: FINE GROUND

4. CENTERING: <3 ARCMIN

5. ASPHERE FIGURE ERROR: 0.25µm RMS

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

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

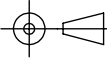


SECTION A-A

COEFFICIENT TABLE 6.

COEFFICIENT	S1
SEMI-DIAMETER	1.500000E+01
(1/RADIUS)	3.716091E-02
k	-7.633170E-01
D	0.000000E+00
E	1.130400E-06
F	2.028051E-10
G	-9.363066E-13
H	1.944793E-15
J	-3.345788E-18
L	2.852466E-21

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE DIMENSIONS ARE FOR REFERENCE ONLY

	S1	S2	EFL @ 587.6nm	40	 Edmund Optics®		
SHAPE	CONVEX	PLANO	BFL @ 587.6nm	31.21			
RADIUS	26.910	INFINITY	THIRD ANGLE PROJECTION		TITLE	40mm Dia., 0.50 Numerical Aperture, 900-1700nm Coated, Inked, High Precision Aspheric Lens	
SURFACE QUALITY	40-20	40-20					
CLEAR APERTURE	Ø39	Ø39	ALL DIMS INmm		DWG NO	17008INK	
BEVEL MAX	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED					

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