

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

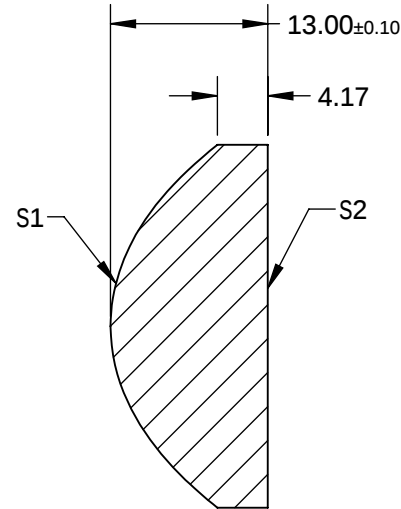
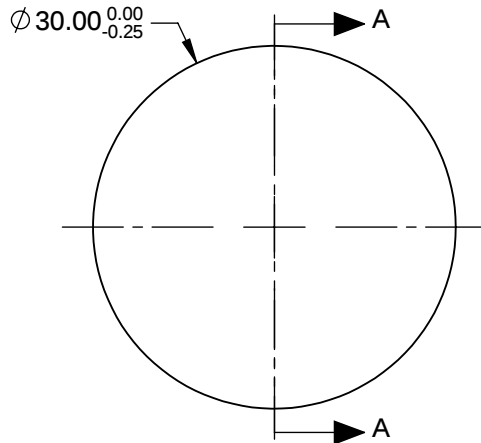
3. EDGES: FINE GROUND

4. CENTERING: <3 ARCMIN

5. ASPHERE FIGURE ERROR: 0.25µm RMS

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

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

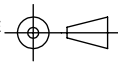


SECTION A-A

COEFFICIENT TABLE 6.

COEFFICIENT	S1
SEMI-DIAMETER	1.500000E+01
(1/RADIUS)	0.070967284
k	-1.1731250
D	0.0000000E+00
E	2.7018881E-05
F	-5.4438834E-09
G	6.0741654E-12
H	-3.5644152E-13
J	6.4388602E-16
L	0.0000000E+00

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE DIMENSIONS ARE FOR REFERENCE ONLY

	S1	S2	EFL @ 587.6nm	17.5	 Edmund Optics®		
SHAPE	CONVEX	PLANO	BFL @ 587.6nm	10.3			
RADIUS	14.091	INFINITY			TITLE	30mm Dia., 0.86 Numerical Aperture, 900-1700nm Coated, Precision Aspheric Lens	
SURFACE QUALITY	40-20	40-20					
CLEAR APERTURE	Ø27	Ø27	ALL DIMS IN mm		DWG NO	17005	
BEVEL MAX	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED					
							SHEET 1 OF 1

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