

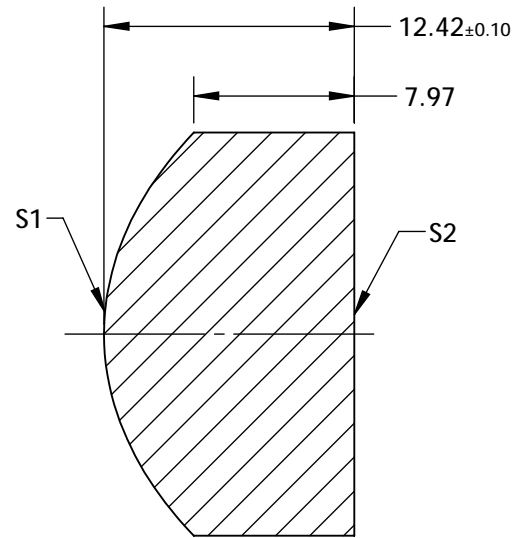
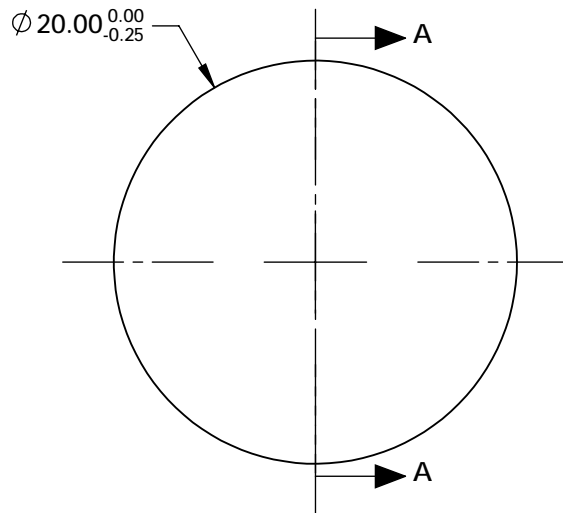
NOTES:

1. SUBSTRATE: N-SF6
2. 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
3. EDGES: FINE GROUND
4. CENTERING: <3 ARCMIN
5. ASPHERE FIGURE ERROR: 0.25 μm RMS

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

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	
COEFFICIENT	S1
SEMI-DIAMETER	1.000000E+01
(1/RADIUS)	8.279516E-02
k	-8.709493E-01
D	0.000000E+00
E	2.328578E-05
F	-3.296155E-08
G	7.781658E-10
H	-8.943125E-12
J	2.915711E-14
L	0.000000E+00

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE DIMENSIONS ARE FOR REFERENCE ONLY

	S1	S2	EFL @ 587.6nm	15.00		Edmund Optics®	
SHAPE	CONVEX	PLANO	BFL @ 587.6nm	8.12			
RADIUS	12.078	INFINITY	THIRD ANGLE PROJECTION	TITLE	20mm Dia., 0.67 Numerical Aperture, 900-1700nm Coated, Precision Aspheric Lens		
SURFACE QUALITY	40-20	40-20	ALL DIMS IN	mm	DWG NO	23013	SHEET 1 OF 1
CLEAR APERTURE	Ø18.00	Ø18.00					
BEVEL MAX	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED					