

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

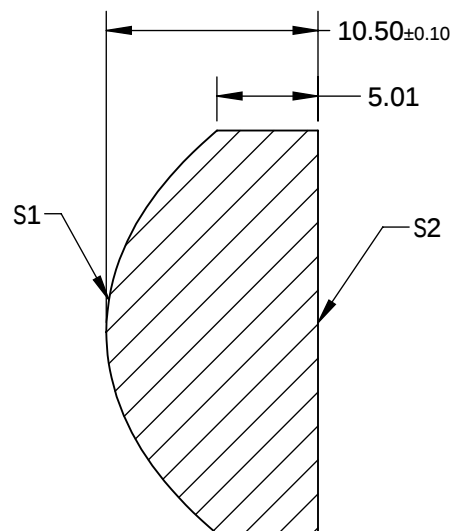
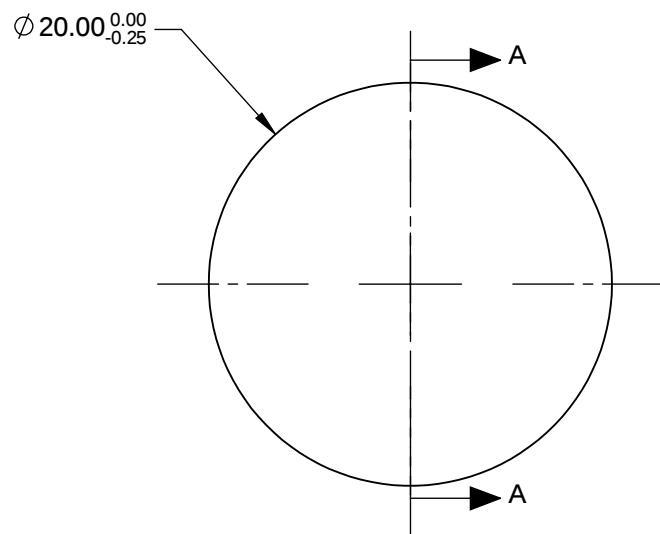
3. EDGES: FINE GROUND

4. CENTERING: <1 ARCMIN

5. ASPHERE FIGURE ERROR: 0.25µm RMS

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

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

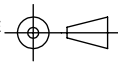


SECTION A-A

COEFFICIENT TABLE 6.

COEFFICIENT	S1
SEMI-DIAMETER	1.000000E+01
(1/RADIUS)	0.099354198
k	-1.2066580
D	0.0000000E+00
E	7.9936880E-05
F	4.1712140E-08
G	-9.5183480E-10
H	5.8388140E-13
J	0.0000000E+00
L	0.0000000E+00

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE DIMENSIONS ARE FOR REFERENCE ONLY

	S1	S2	EFL @ 587.6nm	12.5	 Edmund Optics®		
SHAPE	CONVEX	PLANO	BFL @ 587.6nm	6.68			
RADIUS	10.065	INFINITY	THIRD ANGLE PROJECTION 		TITLE	20mm Dia., 0.80 Numerical Aperture, 900-1700nm Coated, Precision Aspheric Lens	
SURFACE QUALITY	40-20	40-20					
CLEAR APERTURE	Ø18	Ø18	ALL DIMS IN mm		DWG NO	16996	
BEVEL MAX	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED					
							SHEET 1 OF 1

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