

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

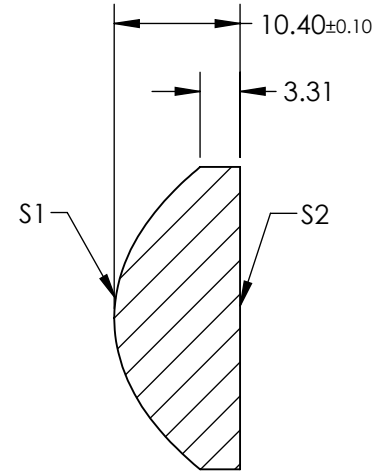
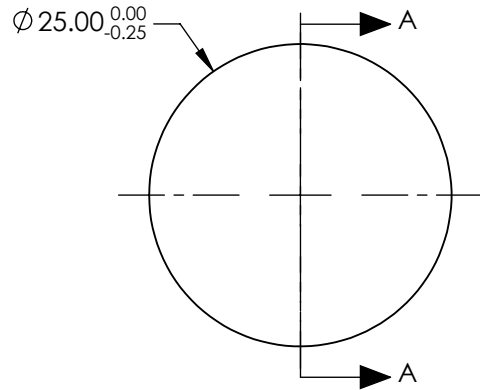
3. EDGES: FINE GROUND

4. CENTERING: <3 ARCMIN

5. ASPHERE FIGURE ERROR: 0.25µm RMS

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

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



SECTION A-A

COEFFICIENT TABLE 6.

COEFFICIENT	S1
SEMI-DIAMETER	1.000000E+01
(1/RADIUS)	0.082795165
k	-0.6243706
D	0.0000000E+00
E	2.5625580E-06
F	-2.3980870E-08
G	-2.9296510E-10
H	0.0000000E+00
J	0.0000000E+00
L	0.0000000E+00

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE DIMENSIONS ARE FOR REFERENCE ONLY

	S1	S2
SHAPE	CONVEX	PLANO
RADIUS	12.078	INFINITY
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	Ø22.5	Ø22.5
BEVEL MAX	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

EFL @ 587.6nm	15
BFL @ 587.6nm	9.24
THIRD ANGLE PROJECTION	
ALL DIMS IN	mm



Edmund Optics®

25mm Dia., 0.83 Numerical Aperture, 900-1700nm Coated, Inked, High Precision Aspheric Lens

TITLE

DWG NO

17002INK

SHEET
1 OF 1

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