NOTES:

1. SUBSTRATE:
   N-SF6
2. CENTERING TOLERANCE (AT 587.6nm): <2.5 ARCMIN
3. COATING (APPLY ACROSS COATING APERTURE)
   S1: NONE
   S2: NONE

4. EDGES: FINE GROUND

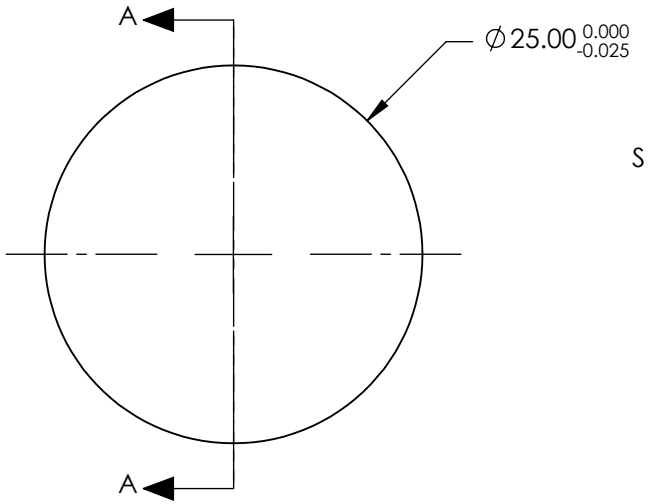
5. ASPHERIC FIGURE ERROR: 0.25 µm RMS

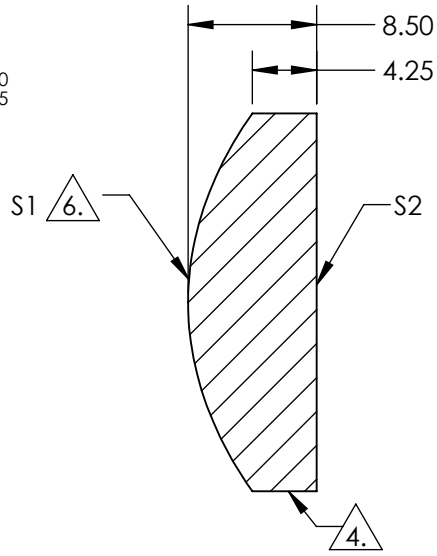
6. ASPHERIC SURFACE DESCRIBED BY (REF. COEFFICIENT TABLE):

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

FOR INFORMATION ONLY:
DO NOT MANUFACTURE PARTS TO THIS DRAWING

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY





SECTION A-A

COEFFIECIENT TABLE 6.	
COEFFIECIENT	**S1**
SEMI-DIAMETER	1.250000E-01
(1/RADIUS)	5.244388E-02
k	-1.000000E-00
D	0.000000E+00
E	6.484562E-06
F	-7.484414E-10
G	-4.688953E-12
H	0.000000E+00
J	0.000000E+00
L	0.000000E+00

	S1	S2
SHAPE	CONVEX	PLANO
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	∅22.5mm	∅22.5mm
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

EFL@1550nm: 25.00
BFL@587.6nm: 18.97

THIRD ANGLE PROJECTION

ALL DIMS IN mm

Edmund Optics®

TITLE: 25mm Dia., 0.50 NA, Uncoated 1550nm NIR Aspheric Lens

DWG NO: 17419

SHEET 1 OF 1