

NOTES:

- SUBSTRATE:  
N-SF6
- CENTERING TOLERANCE (AT 587.6nm): <2.5 ARCMIN
- COATING (APPLY ACROSS COATING APERTURE)  
S1 & S2: V-COAT  
R(abs) < 0.25% @ 1550nm @ 0° AOI

4. EDGES: FINE GROUND

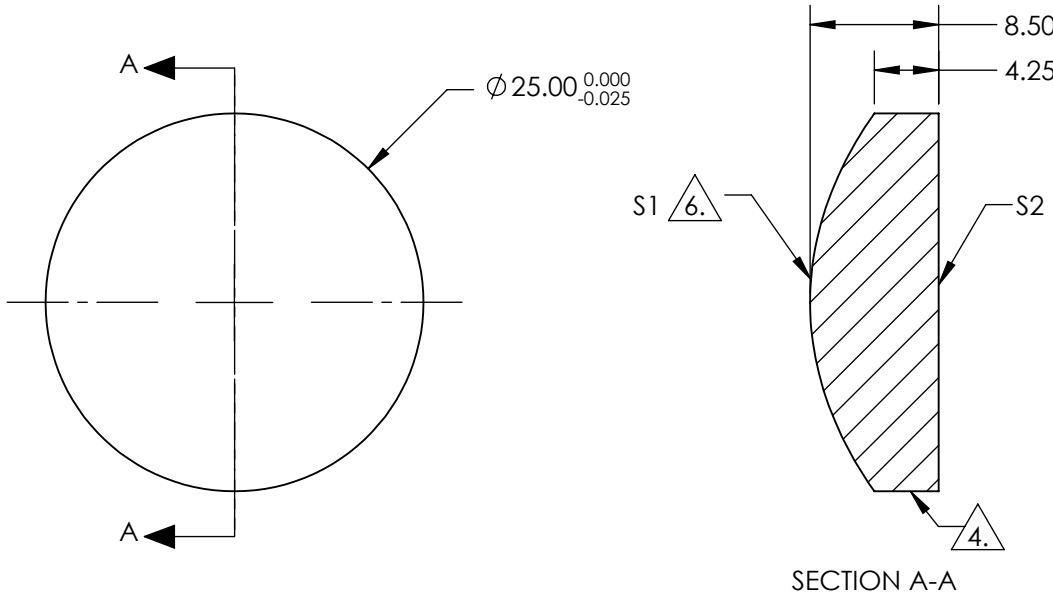
5. ASPHERIC FIGURE ERROR: 0.25 µm RMS

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

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

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

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY



COEFFICIENT TABLE 6.	
COEFFICIENT	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	Ø 22.5mm	Ø 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®**

25mm Dia., 0.50 NA, V-Coated 1550nm  
NIR Aspheric Lens

DWG NO 22939 SHEET 1 OF 1