

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

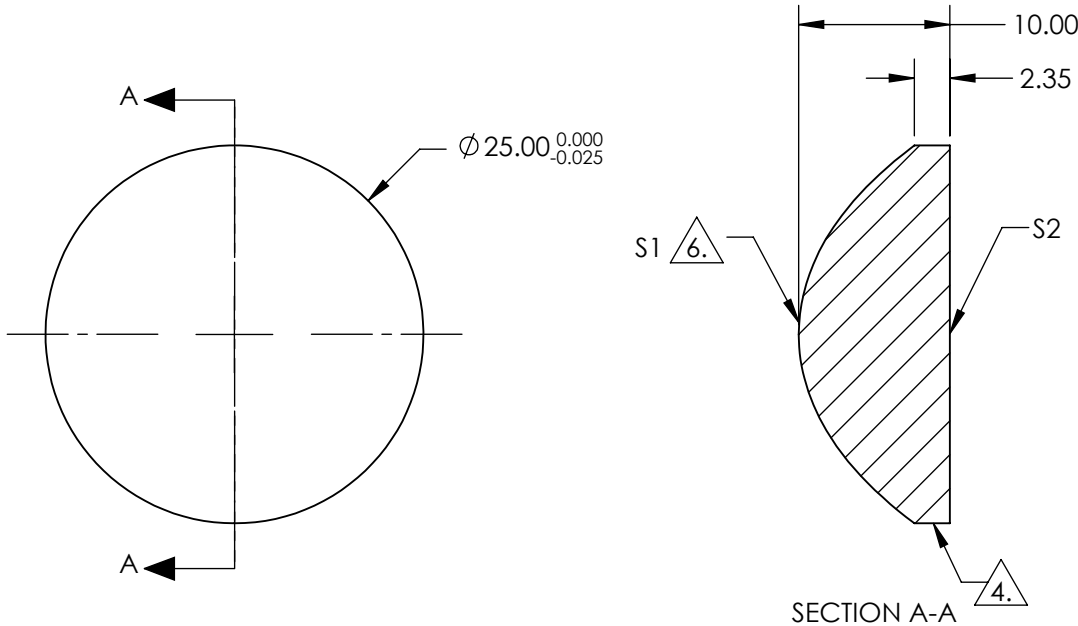
5. ASPHERIC FIGURE ERROR: 0.25 µm RMS

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

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

**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)	8.740494E-02
k	-1.000000E+00
D	0.000000E+00
E	3.618244E-05
F	1.124165E-08
G	-5.906966E-11
H	-1.255059E-12
J	3.041122E-15
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: 15.00
BFL@587.6nm: 8.67
THIRD ANGLE PROJECTION
ALL DIMS IN mm

**Edmund Optics®**

25mm Dia., 0.83 NA, Uncoated 1550nm  
NIR Aspheric Lens

DWG NO 17418 SHEET 1 OF 1