

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

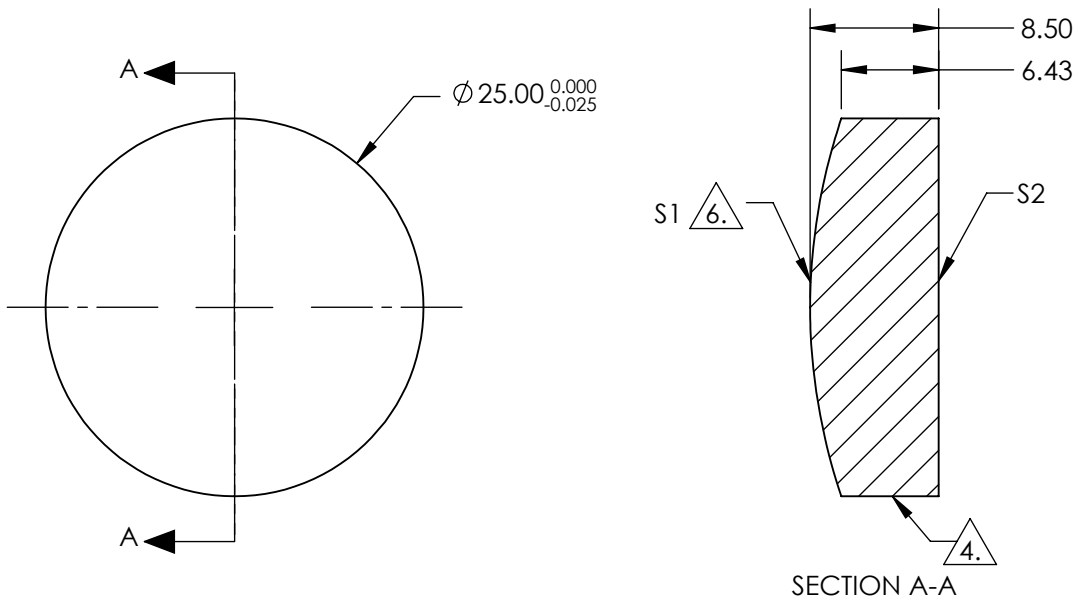
5. ASPHERIC FIGURE ERROR: 0.25 µm RMS

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

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

**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)	2.622263E-02
k	-1.000000E-00
D	0.000000E+00
E	7.258095E-07
F	-5.885602E-11
G	0.000000E+00
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: 50.00	
BFL@587.6nm: 42.65	
THIRD ANGLE PROJECTION 	
ALL DIMS IN	mm



Edmund Optics®

TITLE

25mm Dia., 0.25 NA, Uncoated 1550nm
NIR Aspheric Lens

DWG NO

17421

SHEET
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