

NOTES:

1. SUBSTRATE:
N-SF6

2. CENTERING TOLERANCE (AT 587.6nm): <2.5ARCMIN

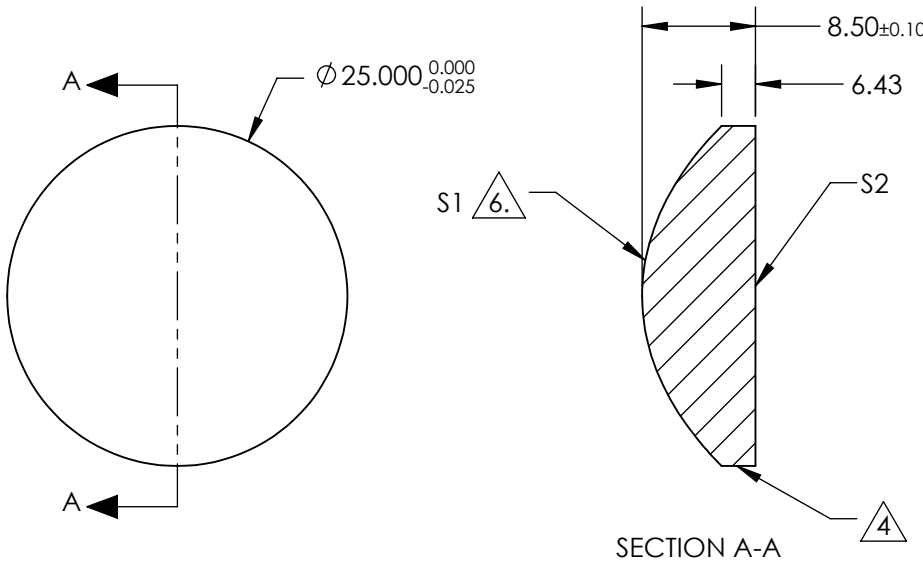
3. COATING (APPLY ACROSS COATING APERTURE)
S1 & S2: V-COAT

4. EDGES: FINE GROUND

5. ASPHERIC FIGURE ERROR: 0.25 µm RMS

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

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



| COEFFICIENT TABLE | |
|-------------------|---------------|
| COEFFICIENT | |
| SEMI-DIAMETER | 7.500000E+00 |
| (1/RADIUS) | 1.165501E-01 |
| k | -1.009000E-00 |
| D | 0.000000E+00 |
| E | 7.761231E-05 |
| F | -1.512125E-08 |
| G | -1.010535E-09 |
| H | -6.978112E-12 |
| J | 4.479090E-14 |
| L | 0.000000E+00 |

| | S1 | S2 |
|-----------------|---------------------|---------------------|
| SHAPE | CONVEX | PLANO |
| SURFACE QUALITY | 40 - 20 | 40 - 20 |
| CLEAR APERTURE | Ø 22.5 | Ø 22.5 |
| BEVEL | PROTECTED AS NEEDED | PROTECTED AS NEEDED |

| | |
|------------------------|----|
| THIRD ANGLE PROJECTION | |
| ALL DIMS IN | mm |

| | | | |
|----------------|--|---|--------------|
| Edmund Optics® | | | |
| TITLE | | 25mm Dia., 0.25 NA, V-Coated 1550nm NIR Aspheric Lens | |
| DWG NO | | 22940 | SHEET 5 OF 5 |