NOTES:

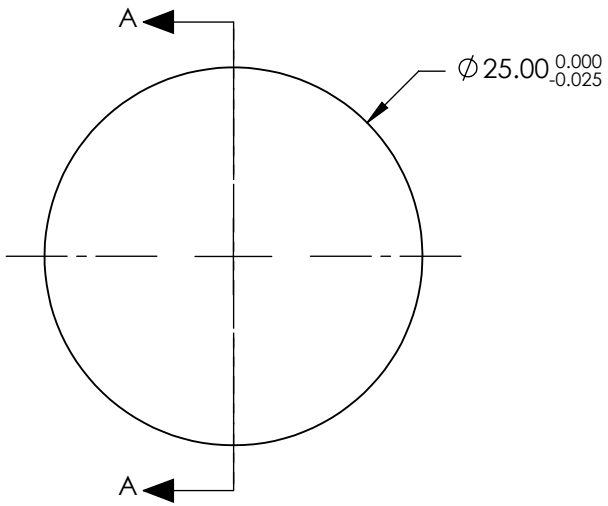
1. SUBSTRATE:
   N-SF6
2. CENTERING TOLERANCE (AT 587.6nm): <2.5 ARCMIN
3. COATING (APPLY ACROSS COATING APERTURE)
   S1 & S2: V-COAT
   R(abs) < 0.25% @ 1550nm @ 0° AOI

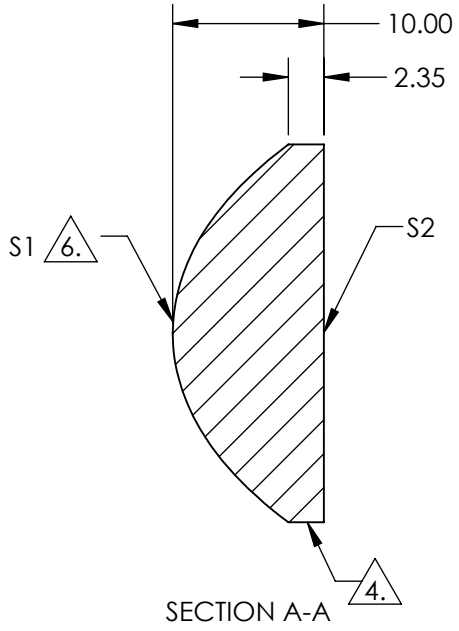
4. EDGES: FINE GROUND
5. ASPHERIC FIGURE ERROR: 0.25 µm RMS
6. ASPHERIC SURFACE DESCRIBED BY (REF. COEFFICIENT TABLE):

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

**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)** | 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 | Ø22.5mm | Ø22.5mm |
| 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®

TITLE: 25mm Dia., 0.83 NA, V-Coated 1550nm NIR Aspheric Lens

DWG NO: 22938

SHEET 1 OF 1