

NOTES:

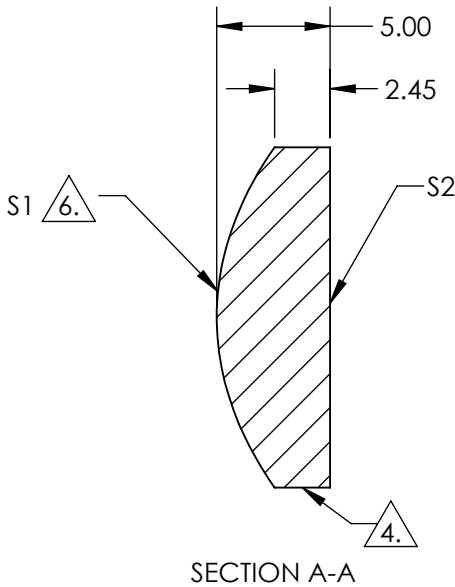
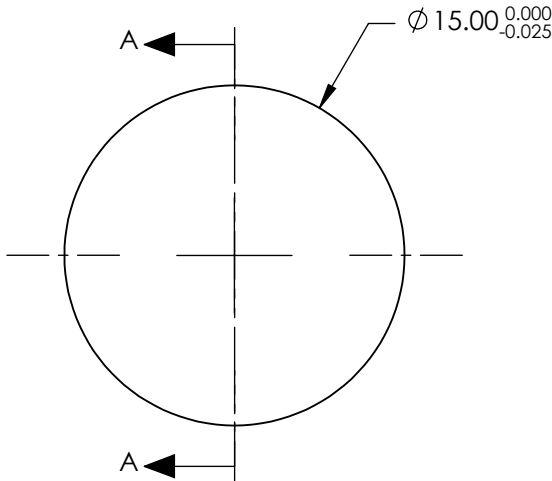
1. SUBSTRATE:
N-SF6
2. CENTERING TOLERANCE (AT 587.6nm): <3 ARCMIN
3. COATING (APPLY ACROSS COATING APERTURE)
S1 & S2: V-COAT
R(abs) < 0.25% @ 1550nm @ 0° AOI

4. EDGES: FINE GROUND

5. ASPHERIC FIGURE ERROR: 0.25 µm RMS

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

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



| COEFFIECIENT TABLE 6. | |
|-----------------------|---------------|
| COEFFIECIENT | S1 |
| SEMI-DIAMETER | 7.500000E+00 |
| (1/RADIUS) | 8.740494E-02 |
| k | -9.980000E-00 |
| D | 0.000000E+00 |
| E | 2.973328E-05 |
| F | -1.051753E-08 |
| G | -1.573969E-10 |
| H | -6.483899E-14 |
| J | 0.000000E+00 |
| L | 0.000000E+00 |

| | S1 | S2 |
|-----------------|----------------------|----------------------|
| SHAPE | CONVEX | PLANO |
| SURFACE QUALITY | 40-20 | 40-20 |
| CLEAR APERTURE | Ø 13.5mm | Ø 13.5mm |
| BEVEL | PROTECTIVE AS NEEDED | PROTECTIVE AS NEEDED |

| |
|------------------------|
| EFL@1550nm: 15.00 |
| BFL@587.6nm: 11.44 |
| THIRD ANGLE PROJECTION |
| ALL DIMS IN |



Edmund Optics®

| TITLE | 15mm Dia., 0.50 NA, V-Coated 1550nm NIR Aspheric Lens |
|--------|--|
| DWG NO | 22936 |
| SHEET | 1 OF 1 |