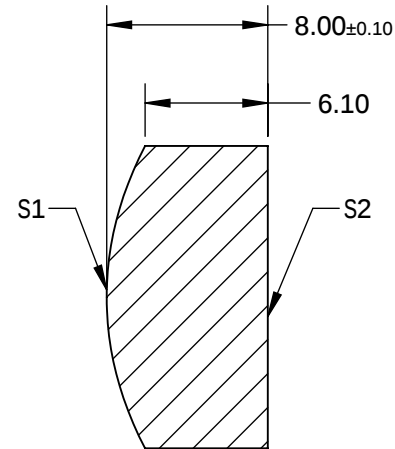
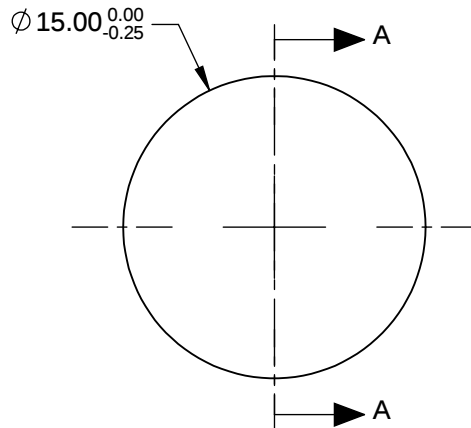


NOTES:

- SUBSTRATE: N-SF6
- COATING (APPLY ACROSS CLEAR APERTURE)  
S1&S2: VIS-EXT+  
R(AVG) < 0.5% FROM 350-700nm @ +/-30° AOI; R(ABS) < 1.5% FROM 350-700nm @ +/- 30° AOI
- EDGES: FINE GROUND
- CENTERING: <3 ARCMIN
- ASPHERE FIGURE ERROR: 0.25 μm RMS

△ ASPHERIC SURFACE DESCRIBED BY (REF. COEFFICIENT TABLE)

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

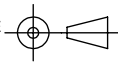


SECTION A-A

COEFFICIENT TABLE △ 6.

| COEFFICIENT   | S1            |
|---------------|---------------|
| SEMI-DIAMETER | 7.500000E+00  |
| (1/RADIUS)    | 6.623833E-02  |
| k             | 2.045310E-02  |
| D             | 0.000000E+00  |
| E             | -2.464272E-05 |
| F             | -7.747754E-08 |
| G             | -4.303751E-10 |
| H             | -8.575912E-16 |
| J             | 0.000000E+00  |
| L             | 0.000000E+00  |

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE DIMENSIONS ARE FOR REFERENCE ONLY

|                 |                      |                      |                                                                                                              |       |                                                                                                             |  |  |
|-----------------|----------------------|----------------------|--------------------------------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------------------------------|--|--|
|                 | S1                   | S2                   | EFL @ 587.6nm                                                                                                | 18.75 |  <b>Edmund Optics®</b> |  |  |
| SHAPE           | CONVEX               | PLANO                | BFL @ 587.6nm                                                                                                | 14.32 |                                                                                                             |  |  |
| RADIUS          | 15.097               | INFINITY             | THIRD ANGLE PROJECTION  |       | TITLE<br>15mm Dia., 0.40 Numerical Aperture,<br>350-700nm Coated, Precision Aspheric Lens                   |  |  |
| SURFACE QUALITY | 40-20                | 40-20                |                                                                                                              |       |                                                                                                             |  |  |
| CLEAR APERTURE  | Ø13.50               | Ø13.50               | ALL DIMS IN mm                                                                                               |       | DWG NO 22992                                                                                                |  |  |
| BEVEL MAX       | PROTECTIVE AS NEEDED | PROTECTIVE AS NEEDED |                                                                                                              |       |                                                                                                             |  |  |
|                 |                      |                      |                                                                                                              |       | SHEET 1 OF 1                                                                                                |  |  |

**FOR INFORMATION ONLY:  
DO NOT MANUFACTURE  
PARTS TO THIS DRAWING**