

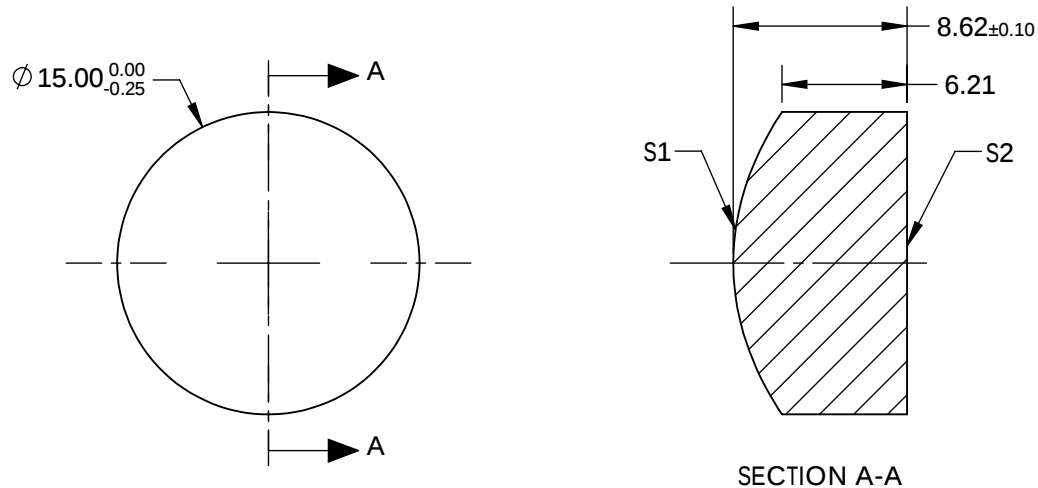
NOTES:

- SUBSTRATE: N-SF6
- COATING (APPLY ACROSS CLEAR APERTURE)  
S1: NONE  
S2: NONE
- EDGES: FINE GROUND
- CENTERING: <3 ARCMIN
- ASPHERE FIGURE ERROR: 0.25 μm RMS

△ ASPHERIC SURFACE DESCRIBED BY (REF. COEFFICIENT TABLE)

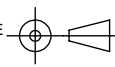
$$Z_{ASPH}(Y) = \frac{(1/RADIUS)^2 * Y^2}{1 + \sqrt{1 - (1+k) * (1/RADIUS)^2 * Y^2}} + D * Y^2 + E * Y^4 + F * Y^6 + G * Y^8 + H * Y^{10} + J * Y^{12} + L * Y^{14}$$

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



| COEFFICIENT TABLE △ 6. |               |
|------------------------|---------------|
| COEFFICIENT            | S1            |
| SEMI-DIAMETER          | 7.500000E+00  |
| (1/RADIUS)             | 8.279516E-02  |
| k                      | -9.820666E-01 |
| D                      | 0.000000E+00  |
| E                      | 2.608586E-05  |
| F                      | -5.633708E-09 |
| G                      | -1.621792E-10 |
| H                      | 0.000000E+00  |
| J                      | 0.000000E+00  |
| L                      | 0.000000E+00  |

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE DIMENSIONS ARE FOR REFERENCE ONLY

|                 |                      |                      |                                                                                       |       |                                                                                                      |                                                                          |              |
|-----------------|----------------------|----------------------|---------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|--------------|
|                 | S1                   | S2                   | EFL @ 587.6nm                                                                         | 15.00 |  Edmund Optics® |                                                                          |              |
| SHAPE           | CONVEX               | PLANO                | BFL @ 587.6nm                                                                         | 10.22 |                                                                                                      |                                                                          |              |
| RADIUS          | 12.078               | INFINITY             |  |       | TITLE                                                                                                | 15mm DIA., 0.50 NUMERICAL APERTURE,<br>UNCOATED, PRECISION ASPHERIC LENS |              |
| SURFACE QUALITY | 40-20                | 40-20                |                                                                                       |       |                                                                                                      |                                                                          |              |
| CLEAR APERTURE  | Ø13.50               | Ø13.50               |                                                                                       |       |                                                                                                      |                                                                          |              |
| BEVEL MAX       | PROTECTIVE AS NEEDED | PROTECTIVE AS NEEDED | ALL DIMS IN                                                                           | mm    | DWG NO                                                                                               | 37420                                                                    | SHEET 1 OF 1 |