NOTES:

1. SUBSTRATE: FUSED SILICA

2. COATING (APPLY ACROSS CLEAR APERTURE)

   S1: NONE
   S2: 0NONE

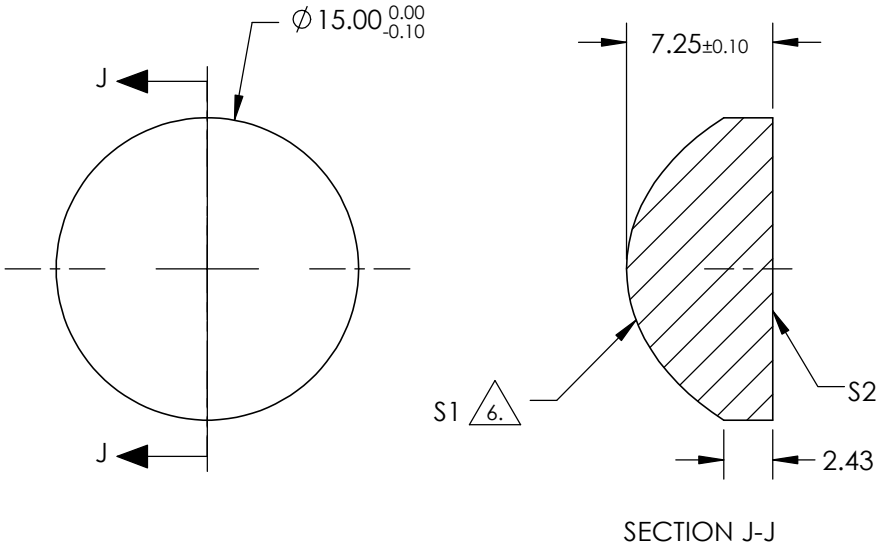
3. EDGES: FINE GROuND

4. CENTERING: <3-5 ARCMIN

5. ASPHERE FIGURE ERROR: 0.75 µm RMS

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

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




SECTION J-J

| COEFFIECIENT TABLE △7 | |
|---|---|
| **COEFFIECIENT** | **S1** |
| **k** | -2.076598 |
| **D** | 0.000000E+00 |
| **E** | 5.7879951E-04 |
| **F** | -3.1626095E-06 |
| **G** | 3.4718029E-08 |
| **H** | -1.0192328E-10 |
| **J** | 0.000000E+00 |
| **L** | 0.000000E+00 |

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

**SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE DIMENSIONS ARE FOR REFERENCE ONLY**

| REV. A | S1 | S2 |
|---|---|---|
| SHAPE | CONVEX | PLANO |
| RADIUS | 6.877 | INFINITY |
| SURFACE QUALITY | 60-40 | 60-40 |
| CLEAR APERTURE | 13.5 | 13.5 |
| BEVEL MAX | PROTECTIVE AS NEEDED | PROTECTIVE AS NEEDED |

| | | | |
|---|---|---|---|
| EFL @ 0µm | 15 | Edmund Optics® | |
| BFL @ 0µm | 10.029 | | |
| THIRD ANGLE PROJECTION | | TITLE | 15mm DIA 0.50 NA UNCOATED, UV FUSED SILICA ASPHERIC LENS |
| ALL DIMS IN | mm | DWG NO | 48534 |
| | | | SHEET 1 OF 1 |