

NOTES:

1. SUBSTRATE: N-SF6
2. COATING  
S1: NONE  
S2: NONE

3. EDGES: FINE GRIND SURFACE

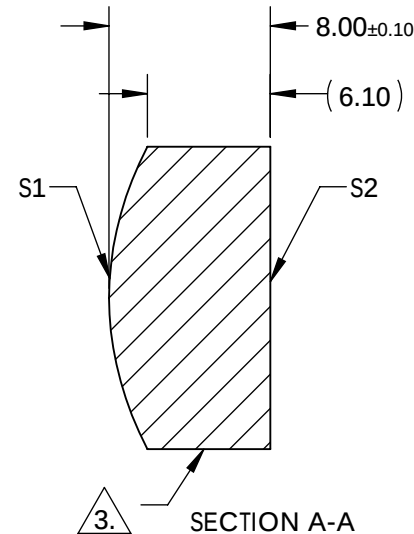
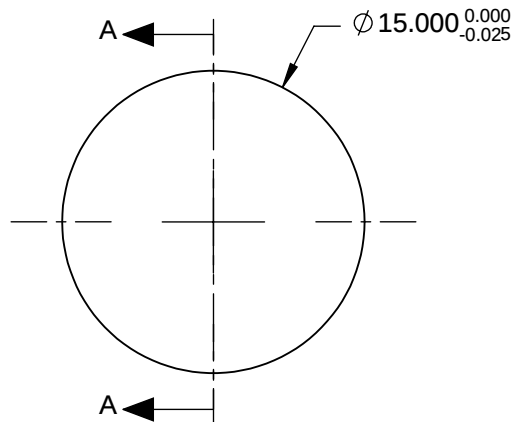
4. CENTERING: < 3 ARCMIN

5. ASPHERIC FIGURE ERROR: 0.016 µm RMS

6. ASPHERIC SURFACE DESCRIBED BY THE FOLLOWING EQUATION AND COEFFICIENTS SHOWN IN TABLE BELOW

$$Z(Y) = \frac{\left(\frac{1}{\text{RADIUS}}\right) * Y^2}{1 + \sqrt{1 - (1+k) * \left(\frac{1}{\text{RADIUS}}\right)^2 * Y^2}} + D * Y^2 + E * Y^4 + F * Y^6 + G * Y^8 + H * Y^{10} + J * Y^{12} + L * Y^{14} + M * Y^{16}$$

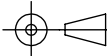
7. ROHS: COMPLIANT



COEFFICIENT TABLE 6.

|               | S1            |
|---------------|---------------|
| SEMI-DIAMETER | 7.500000E+00  |
| COEFFICIENT   |               |
| (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  |
| M             | 0.000000E+00  |

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE  
DIMENSIONS ARE FOR REFERENCE ONLY

|                 |                      |                      |                                                                                                                         |    |                                                                                                      |                                                                  |                 |
|-----------------|----------------------|----------------------|-------------------------------------------------------------------------------------------------------------------------|----|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|-----------------|
|                 | S1                   | S2                   | EFL: 18.75mm                                                                                                            |    |  Edmund Optics® |                                                                  |                 |
| SHAPE           | CONVEX               | PLANO                | BFL: 14.32mm                                                                                                            |    |                                                                                                      |                                                                  |                 |
| RADIUS          | 15.097               | INFINITY             | <div>THIRD ANGLE PROJECTION</div>  |    | TITLE                                                                                                | 15mm Dia x 18.75mm FL, Uncoated,<br>High Precision Aspheric Lens |                 |
| SURFACE QUALITY | 40 - 20              | 40 - 20              |                                                                                                                         |    |                                                                                                      |                                                                  |                 |
| CLEAR APERTURE  | Ø13.50               | Ø13.50               |                                                                                                                         |    |                                                                                                      |                                                                  |                 |
| BEVEL           | PROTECTIVE AS NEEDED | PROTECTIVE AS NEEDED | ALL DIMS IN                                                                                                             | mm | DWG NO                                                                                               | 12429                                                            | SHEET<br>1 OF 1 |

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