

NOTES:

1. SUBSTRATE: N-BK7
2. COATING  
S1: NONE  
S2: NONE

3. EDGES: FINE GRIND SURFACE

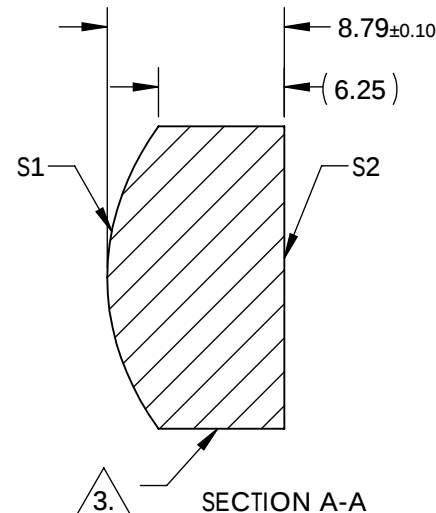
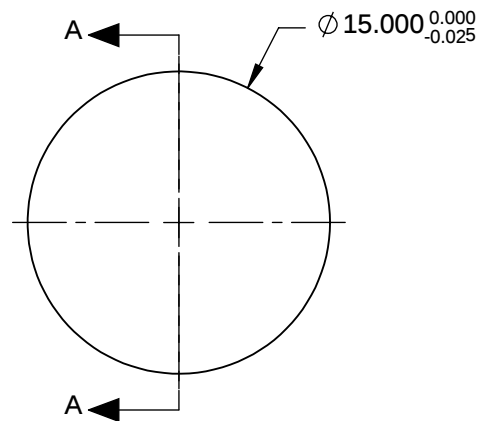
4. CENTERING: < 3 ARCMIN

5. ASPHERIC FIGURE ERROR: 0.016 µm RMS

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

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

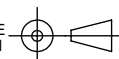
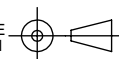
7. ROHS: COMPLIANT



COEFFICIENT TABLE 6.

|               | S1            |
|---------------|---------------|
| SEMI-DIAMETER | 7.500000E+00  |
| COEFFICIENT   |               |
| (1/RADIUS)    | 8.598452E-02  |
| k             | -9.011640E-01 |
| D             | 0.000000E+00  |
| E             | 2.773168E-05  |
| F             | 5.678751E-08  |
| G             | -3.671194E-11 |
| H             | 0.000000E+00  |
| 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: 22.50mm                                                                          |    |  Edmund Optics® |                                                                 |                 |
| SHAPE           | CONVEX               | PLANO                | BFL: 16.71mm                                                                          |    |                                                                                                      |                                                                 |                 |
| RADIUS          | 12.078               | INFINITY             |  |    | TITLE                                                                                                | 15mm Dia x 22.5mm FL, Uncoated,<br>High Precision Aspheric Lens |                 |
| SURFACE QUALITY | 40 - 20              | 40 - 20              |                                                                                       |    |                                                                                                      |                                                                 |                 |
| CLEAR APERTURE  | Ø13.50               | Ø13.50               |  |    | TITLE                                                                                                | 15mm Dia x 22.5mm FL, Uncoated,<br>High Precision Aspheric Lens |                 |
| BEVEL           | PROTECTIVE AS NEEDED | PROTECTIVE AS NEEDED |                                                                                       |    |                                                                                                      |                                                                 |                 |
|                 |                      |                      | ALL DIMS IN                                                                           | mm | DWG NO                                                                                               | 12430                                                           | SHEET<br>1 OF 1 |

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