

NOTES:

1. SUBSTRATE: N-SF5

2. COATING (APPLY ACROSS CLEAR APERTURE)

S1 & S2: VIS-EXT+ (350-700nm)

R(AVG) <0.5% @ 350 - 700nm @ ±30° AOI

R(ABS) <1.5% @ 350 - 700nm @ ±30° AOI

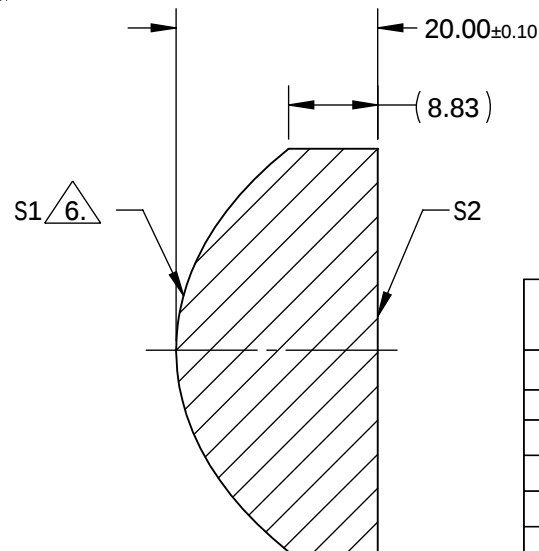
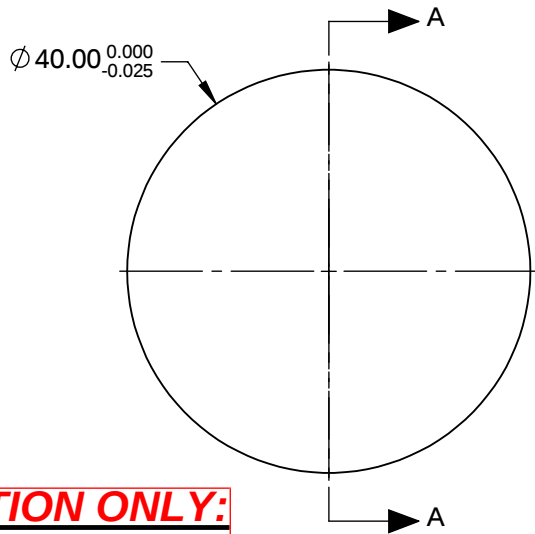
3. EDGES: FINE GROUND

4. CENTERING: <3 ARCMIN

5. ASPHERE FIGURE ERROR: 0.25µm RMS

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

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



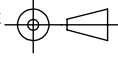
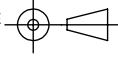
SECTION A-A

COEFFICIENT TABLE 6.

| COEFFICIENT   | S1            |
|---------------|---------------|
| SEMI-DIAMETER | 2.000000E+01  |
| (1/RADIUS)    | 4.954910E-02  |
| k             | -1.819186E+00 |
| D             | 0.000000E+00  |
| E             | 1.952657E-05  |
| F             | -9.527297E-09 |
| G             | 1.162971E-11  |
| H             | -1.020802E-14 |
| J             | 1.221727E-18  |
| 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

|                 |                      |                      |                                                                                       |       |                                                                                                             |              |  |
|-----------------|----------------------|----------------------|---------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------------------------------|--------------|--|
|                 | S1                   | S2                   | EFL @ 587.6nm                                                                         | 30.00 |  <b>Edmund Optics®</b> |              |  |
| SHAPE           | CONVEX               | PLANO                | BFL @ 587.6nm                                                                         | 18.04 |                                                                                                             |              |  |
| RADIUS          | 20.182               | INFINITY             |  |       | <b>40mm Dia., 0.66 Numerical Aperture, 350-700nm Coated, Precision Aspheric Lens</b>                        |              |  |
| SURFACE QUALITY | 40-20                | 40-20                |                                                                                       |       |                                                                                                             |              |  |
| CLEAR APERTURE  | Ø36.00               | Ø36.00               |  |       | <b>16967</b>                                                                                                |              |  |
| BEVEL MAX       | PROTECTIVE AS NEEDED | PROTECTIVE AS NEEDED |                                                                                       |       |                                                                                                             |              |  |
|                 |                      |                      | ALL DIMS IN                                                                           | mm    | DWG NO                                                                                                      |              |  |
|                 |                      |                      |                                                                                       |       |                                                                                                             | SHEET 1 OF 1 |  |