

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

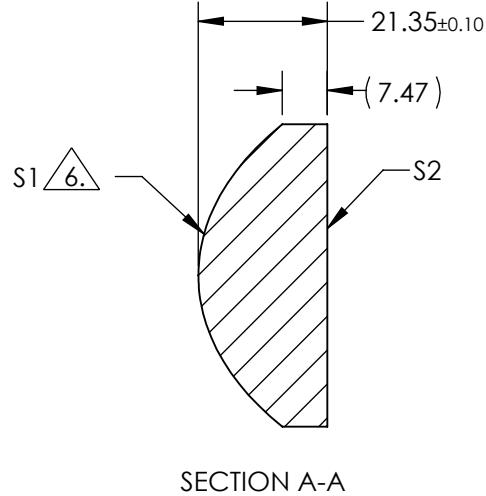
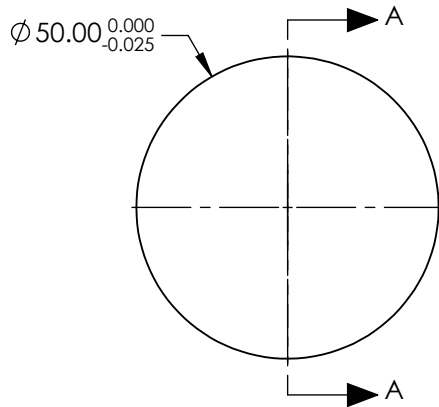
3. EDGES: FINE GROUND

4. CENTERING: <3 ARCMIN

5. ASPHERE FIGURE ERROR: 0.25µm RMS

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

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

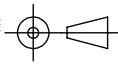


COEFFICIENT TABLE 6.

| COEFFICIENT   | S1            |
|---------------|---------------|
| SEMI-DIAMETER | 2.500000E+01  |
| (1/RADIUS)    | 3.964164E-02  |
| k             | -1.187653E+00 |
| D             | 0.000000E+00  |
| E             | 4.967341E-06  |
| F             | 4.493814E-10  |
| G             | -6.114163E-14 |
| H             | -3.368368E-16 |
| 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

|                 |                      |                      |                                                                                       |       |                                                                                                             |              |
|-----------------|----------------------|----------------------|---------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------------------------------|--------------|
|                 | S1                   | S2                   | EFL @ 587.6nm                                                                         | 37.50 |  <b>Edmund Optics®</b> |              |
| SHAPE           | CONVEX               | PLANO                | BFL @ 587.6nm                                                                         | 24.74 |                                                                                                             |              |
| RADIUS          | 25.226               | INFINITY             |  |       | 50mm Dia., 0.66 Numerical Aperture, 350-700nm Coated, Inked, High Precision Aspheric Lens                   |              |
| SURFACE QUALITY | 40-20                | 40-20                |                                                                                       |       |                                                                                                             |              |
| CLEAR APERTURE  | Ø45.00               | Ø45.00               | ALL DIMS IN mm                                                                        |       | DWG NO 16969INK                                                                                             | SHEET 1 OF 1 |
| BEVEL MAX       | PROTECTIVE AS NEEDED | PROTECTIVE AS NEEDED |                                                                                       |       |                                                                                                             |              |