

NOTES:

1. SUBSTRATE: N-SF6

2. COATING (APPLY ACROSS CLEAR APERTURE)

S1 & S2: NIR+ (600-1050nm)

R(AVG) <0.5% @ 600 - 1050nm @ ±30° AOI

R(ABS) <1.5% @ 600 - 1050nm @ ±30° AOI

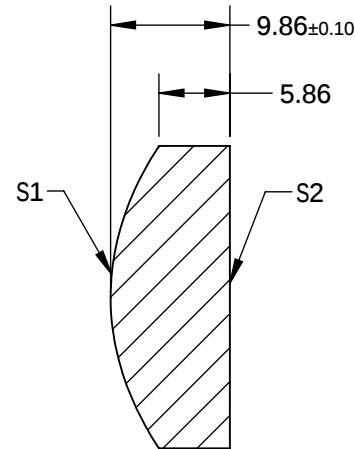
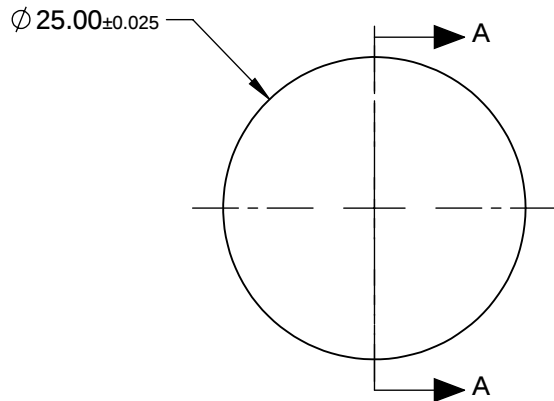
3. EDGES: FINE GROUND

4. CENTERING: <3 ARCMIN

5. ASPHERE FIGURE ERROR: 0.25µm RMS

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

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

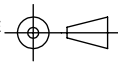


SECTION A-A

COEFFICIENT TABLE 6.

| COEFFICIENT   | S1            |
|---------------|---------------|
| SEMI-DIAMETER | 1.000000E+01  |
| (1/RADIUS)    | 4.967710E-02  |
| k             | -8.641265E-01 |
| D             | 0.000000E+00  |
| E             | 3.151369E-06  |
| F             | -1.837155E-09 |
| G             | -3.336790E-12 |
| H             | 0.000000E+00  |
| J             | 0.000000E+00  |
| L             | 0.000000E+00  |

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE DIMENSIONS ARE FOR REFERENCE ONLY

|                 |                      |                      |                                                                                                              |       |                                                                                                             |  |  |
|-----------------|----------------------|----------------------|--------------------------------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------------------------------|--|--|
|                 | S1                   | S2                   | EFL @ 587.6nm                                                                                                | 25    |  <b>Edmund Optics®</b> |  |  |
| SHAPE           | CONVEX               | PLANO                | BFL @ 587.6nm                                                                                                | 19.54 |                                                                                                             |  |  |
| RADIUS          | 20.130               | INFINITY             | THIRD ANGLE PROJECTION  |       | TITLE 25mm Dia., 0.50 Numerical Aperture, 600-1050nm Coated, Precision Aspheric Lens                        |  |  |
| SURFACE QUALITY | 40-20                | 40-20                |                                                                                                              |       |                                                                                                             |  |  |
| CLEAR APERTURE  | Ø22.5                | Ø22.5                | ALL DIMS IN mm                                                                                               |       | DWG NO 16980                                                                                                |  |  |
| BEVEL MAX       | PROTECTIVE AS NEEDED | PROTECTIVE AS NEEDED |                                                                                                              |       |                                                                                                             |  |  |
|                 |                      |                      |                                                                                                              |       | SHEET 1 OF 1                                                                                                |  |  |

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