NOTES:

1. SUBSTRATE:
   Fused Silica

2. CENTERING TOLERANCE (AT 587.6nm): <1ARCMIN

3. COATING (APPLY ACROSS COATING APERTURE)
   S1 & S2: UV-VIS

4. EDGES: FINE GROUND

5. ASPHERIC FIGURE ERROR: 0.25 µm RMS

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

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

$\varnothing 25.00^{+0.000}_{-0.025}$

SECTION A-A

7.20

3.11

S1

S2
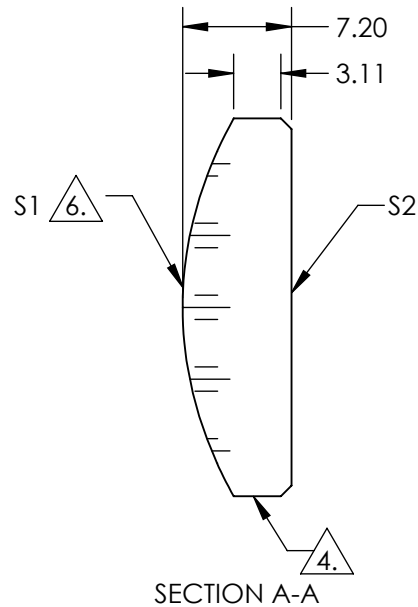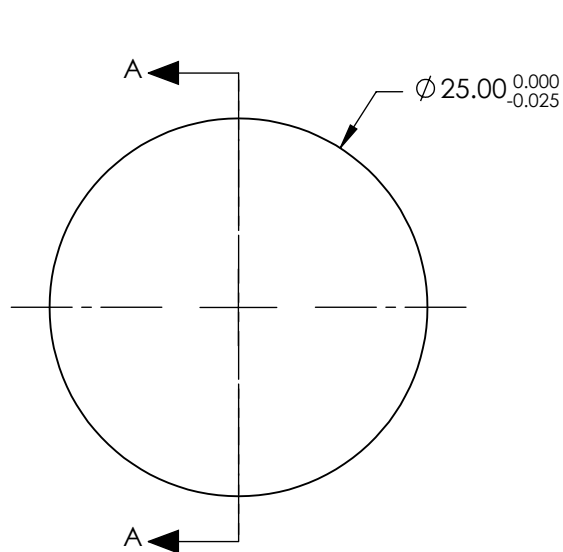
COEFFIECIENT TABLE	
COEFFIECIENT	**S1**
SEMI-DIAMETER	1.250000E+01
(1/RADIUS)	4.200798E-02
k	-6.630000E-01
D	0.000000E+00
E	8.650042E-07
F	2.870604E-10
G	0.000000E+00
H	0.000000E+00
J	0.000000E+00
L	0.000000E+00

EFL @ 355nm: 50.00

BFL @ 355nm: 45.10

Edmund Optics®

THIRD ANGLE PROJECTION

TITLE: 25mm Dia 0.23 NA Uncoated, UV Fused Silica Aspheric Lens

	S1	S2
SHAPE	CONVEX	CONVEX
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	$\varnothing$22.5mm	$\varnothing$22.5mm
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

ALL DIMS IN: mm

DWG NO: 17328

SHEET 1 OF 1