NOTES:

1. SUBSTRATE:
   Fused Silica

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

3. COATING (APPLY ACROSS COATING APERTURE)
   S1: NONE
   S2: NONE
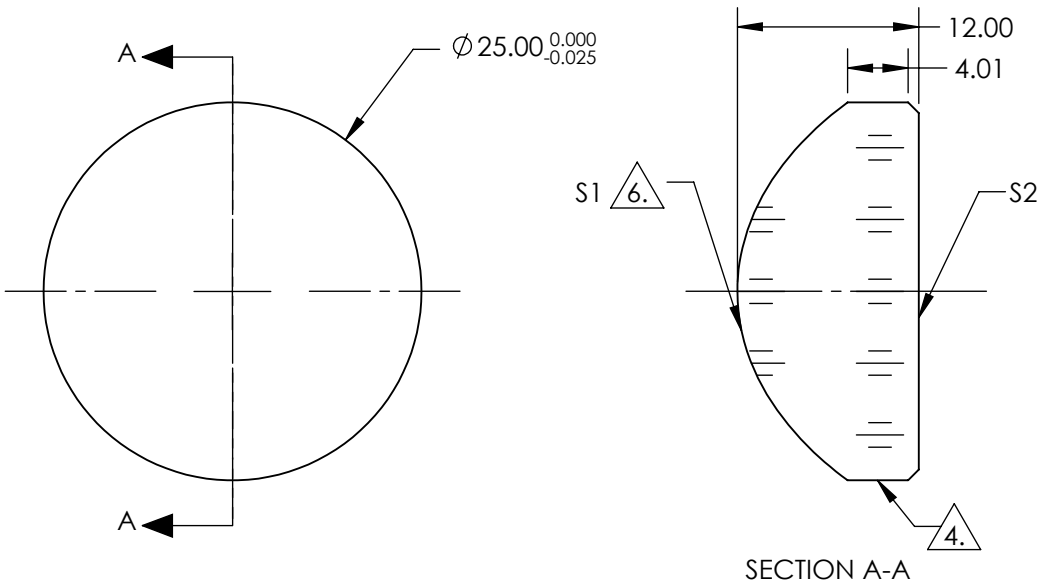
4. EDGES: FINE GROUND

5. ASPHERIC FIGURE ERROR: 0.25 µm RMS

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

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

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

A

A

12.00

4.01

S1 /6.\

S2

/4.\

SECTION A-A

COEFFIECIENT TABLE /6.\	
COEFFIECIENT	**S1**
SEMI-DIAMETER	1.250000E+01
(1/RADIUS)	8.122157E-02
k	-8.200000E-01
D	0.000000E+00
E	1.878008E-05
F	3.222988E-08
G	4.693204E-11
H	7.688675E-14
J	0.000000E+00
L	0.000000E+00

EFL @ 285nm: 25.00
BFL @ 285nm: 17.00

Edmund Optics®

	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

THIRD ANGLE PROJECTION

TITLE: 25mm Dia 0.48 NA Uncoated, UV Fused Silica Aspheric Lens

ALL DIMS IN mm

DWG NO 17325

SHEET 1 OF 1