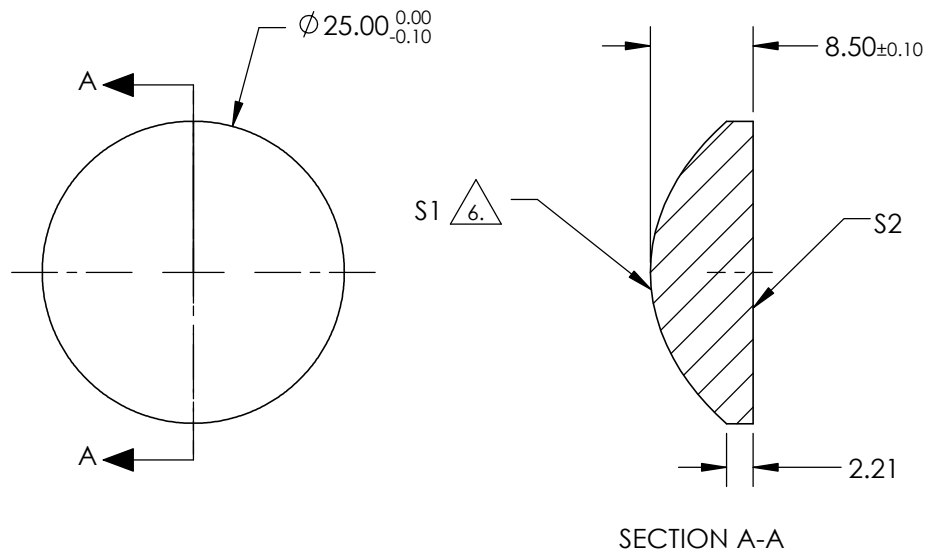NOTES:
1. SUBSTRATE: FUSED SILICA

2. COATING (APPLY ACROSS CLEAR APERTURE)

    S1: R(avg) ≤1.5% @ 250 - 450nm
    S2: R(avg) ≤1.5% @ 250 - 450nm

3. EDGES: FINE GROuND

4. CENTERING: <3-5 ARCMIN

5. ASPHERE FIGURE ERROR: 0.75µm RMS

$\triangle$6. ASPHERIC SURFACE DESCRIBED BY (REF. COEFFICIENT TABLE)

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

$\emptyset$ 25.00 $^{0.00}_{-0.10}$

8.50±0.10

S1 $\triangle$6.

S2

2.21

SECTION A-A

COEFFIECIENT TABLE $\triangle$7

COEFFIECIENT	S1
k	-2.050191
D	0
E	7.1228748E-5
F	-1.0688222E-7
G	3.2884865E-10
H	-3.774342E-13
J	0
L	0

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE DIMENSIONS ARE FOR REFERENCE ONLY

REV. A	S1	S2
SHAPE	CONVEX	PLANO
RADIUS	13.754	INFINITY
SURFACE QUALITY	60-40	60-40
CLEAR APERTURE	90%	90%
BEVEL MAX	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

EFL @ 587.6nm	30
BFL @ 587.6nm	24.17

THIRD ANGLE PROJECTION

Edmund Optics®

TITLE: 25mm DIA 0.42 NA UV COATED, UV FUSED SILICA ASPHERIC LENS

ALL DIMS IN mm

DWG NO 49696

SHEET 1 OF 1