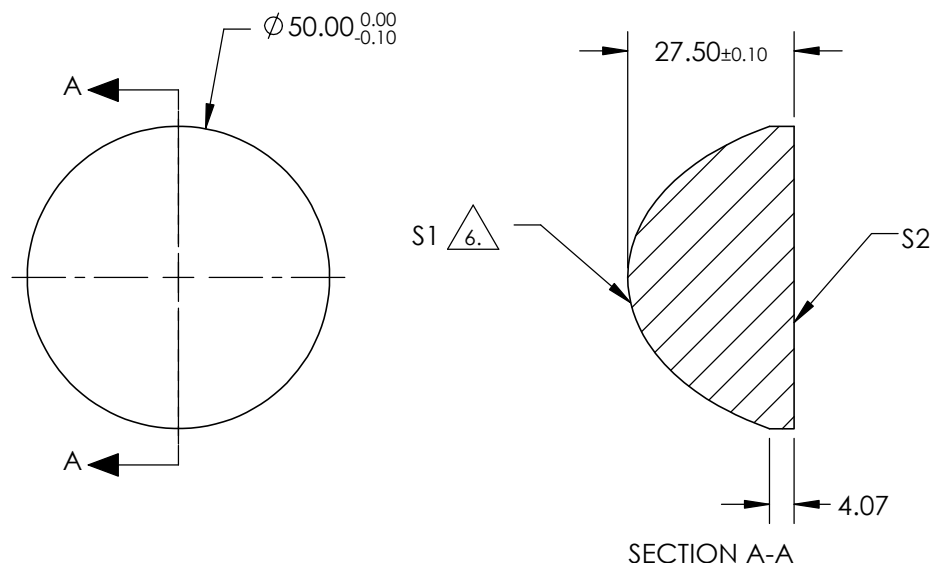NOTES:
1. SUBSTRATE: FUSED SILICA

2. COATING (APPLY ACROSS CLEAR APERTURE)

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

3. EDGES: FINE GROuND

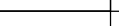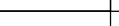4. CENTERING: <3-5 ARCMIN

5. ASPHERE FIGURE ERROR: 0.75µm RMS

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

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

ϕ 50.00 $^{0.00}_{-0.10}$

27.50±0.10

4.07

S1 6.

S2

SECTION A-A

COEFFIECIENT TABLE 7

COEFFIECIENT	S1
k	-0.632906
D	0
E	0.00012823215
F	1.5211816e-006
G	3.3940061e-008
H	0
J	0
L	0

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE DIMENSIONS ARE FOR REFERENCE ONLY

REV. A	S1	S2
SHAPE	CONVEX	PLANO
RADIUS	4.585	INFINITY
SURFACE QUALITY	60-40	60-40
CLEAR APERTURE	90%	90%
BEVEL MAX	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

EFL @ 587.6nm	40
BFL @ 587.6nm	21.15

THIRD ANGLE PROJECTION

Edmund Optics®

TITLE: 50mm DIA 0.63 NA UV COATED, UV FUSED SILICA ASPHERIC LENS

ALL DIMS IN: mm

DWG NO: 67271

SHEET 1 OF 1