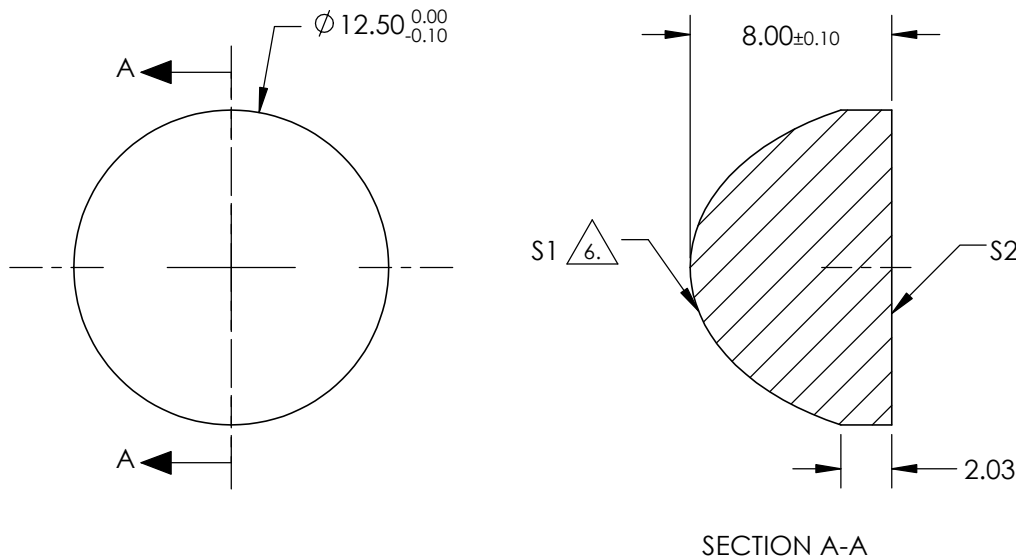NOTES:
1. SUBSTRATE: FUSED SILICA

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 12.50 $^{0.00}_{-0.10}$

A

A

8.00±0.10

S1 /6.\   S2

2.03

SECTION A-A

COEFFIECIENT TABLE /7\

COEFFIECIENT	S1
k	-0.6771756
D	0
E	0.00021003575
F	2.3167923e-006
G	1.222945e-007
H	-2.00016e-009
J	5.4535311e-011
L	0

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE DIMENSIONS ARE FOR REFERENCE ONLY

REV. A	S1	S2	EFL @ 587.6nm	10	
SHAPE	CONVEX	PLANO	BFL @ 587.6nm	4.52	
RADIUS	4.585	INFINITY			
SURFACE QUALITY	60-40	60-40			
CLEAR APERTURE	90%	90%			
BEVEL MAX	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED			

THIRD ANGLE PROJECTION

Edmund Optics®

TITLE: 12.5mm DIA 0.63 NA UV COATED, UV FUSED SILICA ASPHERIC LENS

ALL DIMS IN: mm

DWG NO: 87979

SHEET 1 OF 1