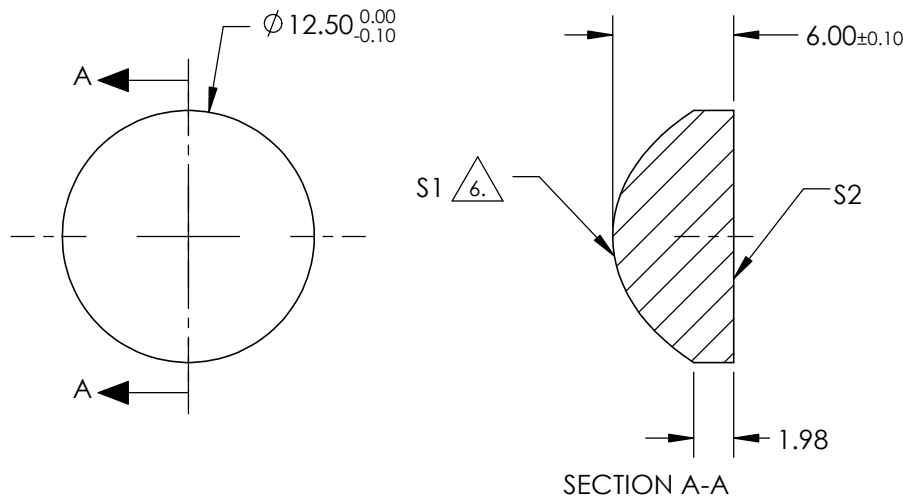NOTES:
1. SUBSTRATE: FUSED SILICA

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)

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

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

A

A

6.00±0.10

S1 /6.\

S2

1.98

SECTION A-A

COEFFIECIENT TABLE /7\

COEFFIECIENT	S1
k	-0.6549125
D	0
E	7.4010372e-005
F	5.564215e-007
G	6.8648873e-009
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	5.731	INFINITY
SURFACE QUALITY	60-40	60-40
CLEAR APERTURE	90%	90%
BEVEL MAX	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

EFL @ 587.6nm	12.5
BFL @ 587.6nm	8.39

THIRD ANGLE PROJECTION

Edmund Optics®

TITLE: 12.5mm DIA 0.50 NA UV COATED, UV FUSED SILICA ASPHERIC LENS

ALL DIMS IN: mm

DWG NO: 87980

SHEET 1 OF 1