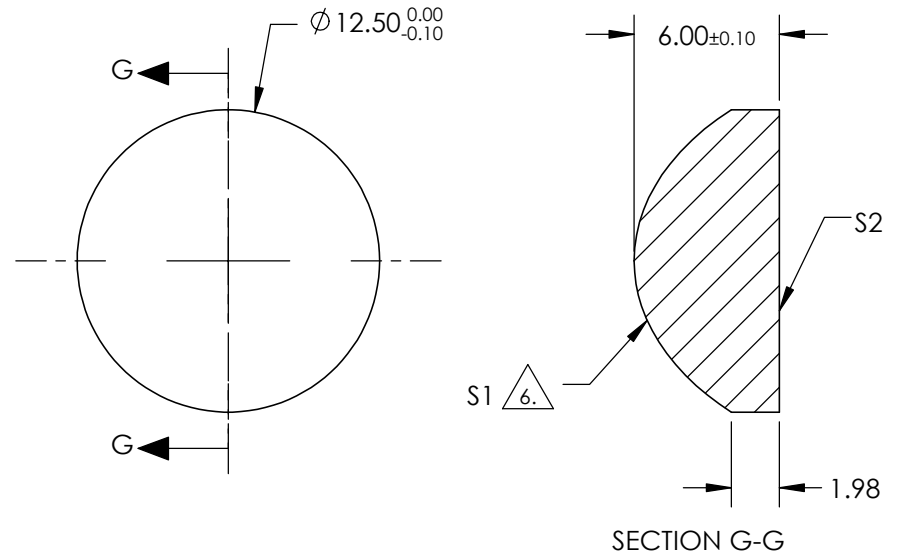NOTES:
1. SUBSTRATE: FUSED SILICA

2. COATING (APPLY ACROSS CLEAR APERTURE)

    S1: NONE
    S2: NONE

3. EDGES: FINE GROuND

4. CENTERING: <3-5 ARCMIN

5. ASPHERE FIGURE ERROR: 0.75µm µm RMS

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

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

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

6.00±0.10

S2

S1 /6.

1.98

SECTION G-G

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

FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE DIMENSIONS ARE FOR REFERENCE ONLY

REV. A	S1	S2		
SHAPE	CONVEX	PLANO	EFL @ 587.6nm	12.5
RADIUS	5.731	INFINITY	BFL @ 587.6nm	8.39
SURFACE QUALITY	60-40	60-40		
CLEAR APERTURE	90%	90%		
BEVEL MAX	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED		

Edmund Optics®

THIRD ANGLE PROJECTION

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

ALL DIMS IN mm

DWG NO 87976

SHEET 1 OF 1