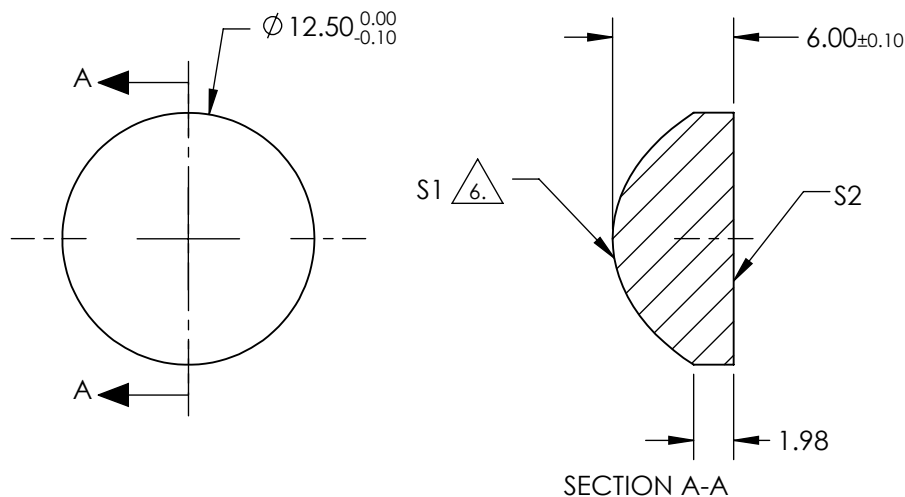


NOTES:

- SUBSTRATE: FUSED SILICA
- COATING (APPLY ACROSS CLEAR APERTURE)
S1: R(avg) ≤1.5% @ 600 - 1050nm
S2: R(avg) ≤1.5% @ 600 - 1050nm
- EDGES: FINE GROUND
- CENTERING: <3-5 ARCMIN
- ASPHERE FIGURE ERROR: 0.75µm RMS


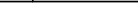
△ ASPHERIC SURFACE DESCRIBED BY (REF. COEFFICIENT TABLE)

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



COEFFICIENT TABLE △7	
COEFFICIENT	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	EFL @ 587.6nm	12.5	 Edmund Optics®		
SHAPE	CONVEX	PLANO	BFL @ 587.6nm	8.39			
RADIUS	5.731	INFINITY	<div>THIRD ANGLE PROJECTION</div> 		TITLE	12.5mm DIA 0.50 NA NIR COATED, UV FUSED SILICA ASPHERIC LENS	
SURFACE QUALITY	60-40	60-40					
CLEAR APERTURE	90%	90%					
BEVEL MAX	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED	ALL DIMS IN	mm	DWG NO	87992	SHEET 1 OF 1

**FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING**