

NOTES:

- SUBSTRATE:
S-LAH64
- CENTERING TOLERANCE (AT 587.6nm):
BEAM DEVIATION (HALF ANGLE): <3 arcmin
- COATING (APPLY ACROSS COATING APERTURE)
S1: NONE
S2: NONE

4. EDGES: FINE GROUND

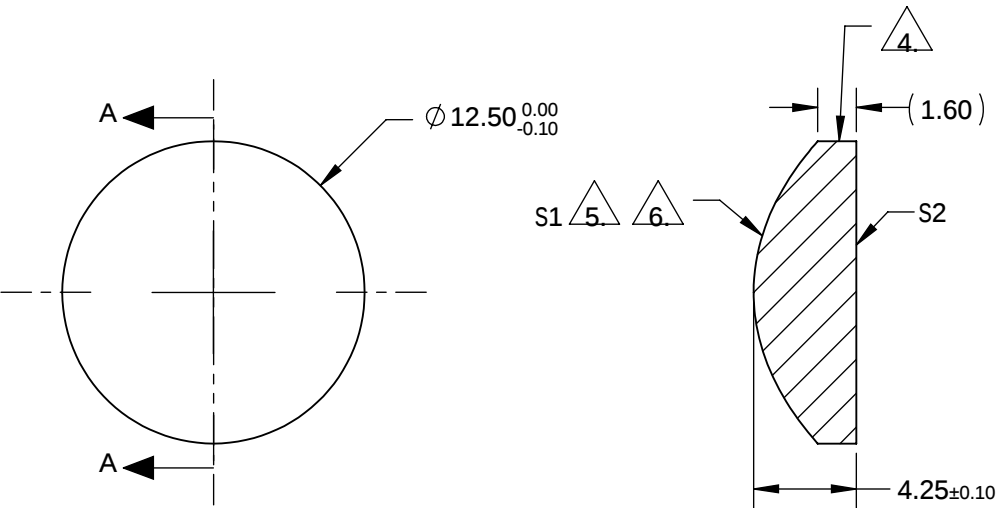
5. ASPHERIC FIGURE ERROR: 0.75 µm RMS

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

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

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

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY



SECTION A-A

COEFFIECIENT TABLE 6.	
COEFFIECIENT	S1
SEMI-DIAMETER	6.250000E+00
(1/RADIUS)	1.28700129E-01
k	-1.003000E+00
D	0.000000E+00
E	9.926000E-05
F	-6.994000E-08
G	-2.372000E-09
H	-1.272000E-11
J	1.263000E-13
L	0.000000E+00

	S1	S2
SHAPE	CONVEX	PLANO
RADIUS	7.770	INFINITY
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	90 %	90 %
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

BFL @ 780nm: 7.61
THIRD ANGLE PROJECTION
ALL DIMS IN mm

**Edmund Optics®**

TITLE

12.5mm Dia., 0.63 Numerical Aperture
Uncoated, NIR Aspheric Lens

DWG NO

13497

SHEET
1 OF 1