NOTES:

1. SUBSTRATE:
   S-LAH64

2. CENTERING TOLERANCE (AT 587.6nm):
   BEAM DEVIATION (HALF ANGLE): <3 arcmin

3. COATING (APPLY ACROSS COATING APERTURE)
   S1: NONE
   S2: NONE

4. EDGES: FINE GROUND

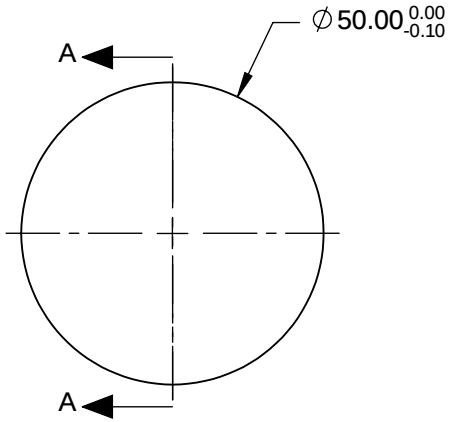
5. ASPHERIC FIGURE ERROR: 0.75 µm RMS

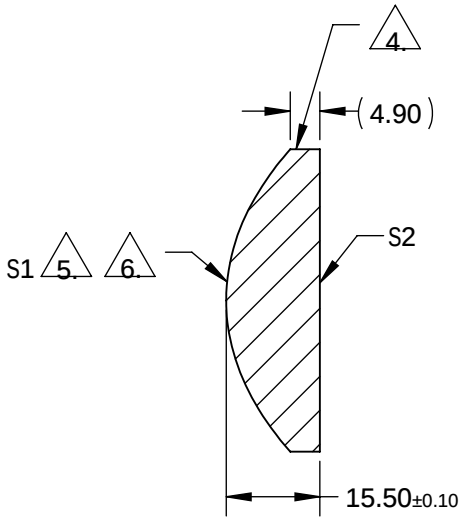
6. ASPHERIC SURFACE DESCRIBED BY (REF. COEFFICIENT TABLE):

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

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	2.500000E+01
(1/RADIUS)	3.21802092E-02
k	-1.004000E+00
D	0.000000E+00
E	1.519690E-06
F	-8.640700E-11
G	-1.433620E-13
H	-4.469940E-17
J	3.129480E-20
L	0.000000E+00

	S1	S2
SHAPE	CONVEX	PLANO
RADIUS	31.075	INFINITY
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	90 %	90 %
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

BFL @ 780nm: 31.28

THIRD ANGLE PROJECTION

ALL DIMS IN mm

Edmund Optics®

TITLE: 50mm Dia., 0.63 Numerical Aperture Uncoated, NIR Aspheric Lens

DWG NO: 13506

SHEET 1 OF 1