

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

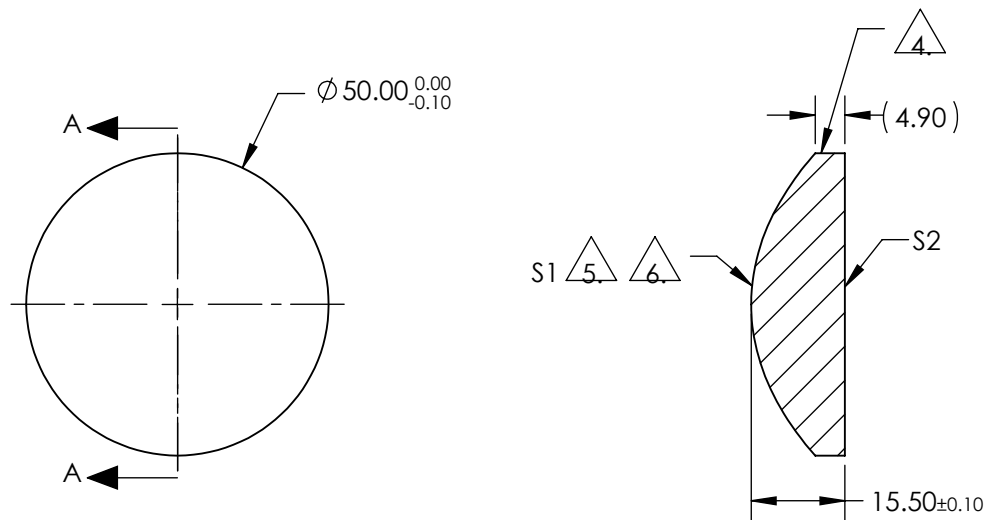
5. ASPHERIC FIGURE ERROR: 0.75 μm RMS

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

COEFFICIENT TABLE 6.

COEFFICIENT	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

EFL @ 780nm: 40.00
BFL @ 780nm: 31.28
THIRD ANGLE PROJECTION
ALL DIMS IN mm

**Edmund Optics®**

50mm Dia., 0.53 Numerical Aperture  
Uncoated, Aspheric Lens

TITLE

DWG NO 13506

SHEET 1 OF 1