NOTES:

1. SUBSTRATE:
   S-LAH64

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

3. COATING (APPLY ACROSS COATING APERTURE)
   S1: SWIR (900-1700nm)
   Ravg < 0.5% @ 900 - 1700nm @ ±30° AOI
   Rabs < 1% @ 900 - 1700nm @ ±30° AOI
   S2: SWIR (900-1700nm)
   Ravg < 0.5% @ 900 - 1700nm @ ±30° AOI
   Rabs < 1% @ 900 - 1700nm @ ±30° AOI

4. EDGES: FINE GROUND

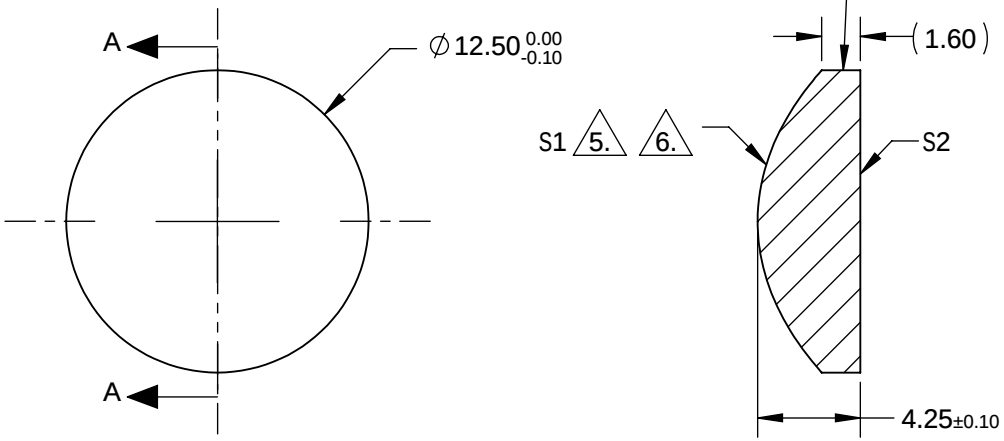
5. ASPHERIC FIGURE ERROR: 0.75 µm RMS

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	11.25mm	11.25mm
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 NA, 900-1700nm Coated, NIR Aspheric Lens

DWG NO: 16291

SHEET 1 OF 1