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

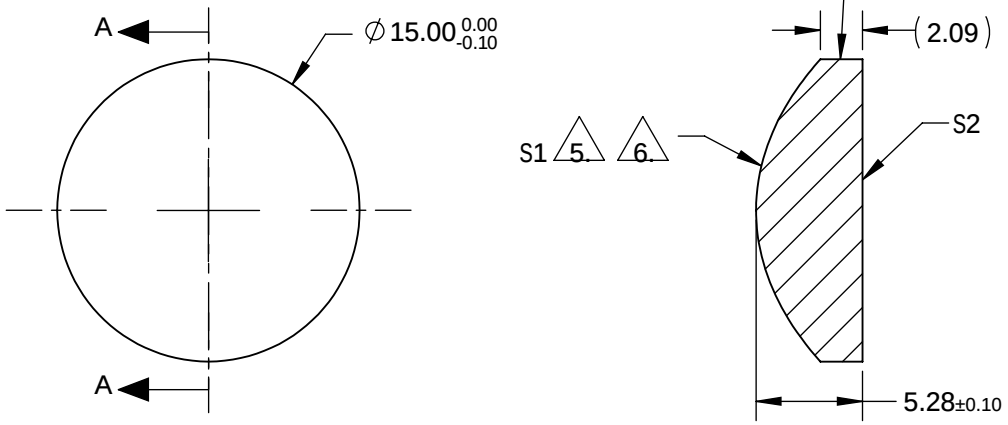
5. ASPHERIC FIGURE ERROR: 0.75 µm RMS

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

FOR INFORMATION ONLY:
DO NOT MANUFACTURE PARTS TO THIS DRAWING

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

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



SECTION A-A

COEFFIECIENT TABLE 6.	
COEFFIECIENT	**S1**
SEMI-DIAMETER	7.500000E+00
(1/RADIUS)	1.07296137E-01
k	-8.830000E+00
D	0.000000E+00
E	3.953300E-05
F	-3.748800E-08
G	-6.650300E-10
H	-2.770000E-12
J	1.808000E-14
L	0.000000E+00

	S1	S2
SHAPE	CONVEX	PLANO
RADIUS	9.320	INFINITY
SURFACE QUALITY	40-20	40-20
CLEAR APERTURE	13.5 mm	13.5 mm
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

BFL @ 780nm: 9.02

THIRD ANGLE PROJECTION

ALL DIMS IN mm

Edmund Optics®

TITLE: 15mm Dia., 0.63 NA, 900-1700nm Coated, NIR Aspheric Lens

DWG NO: 16293

SHEET 1 OF 1