

NOTES:

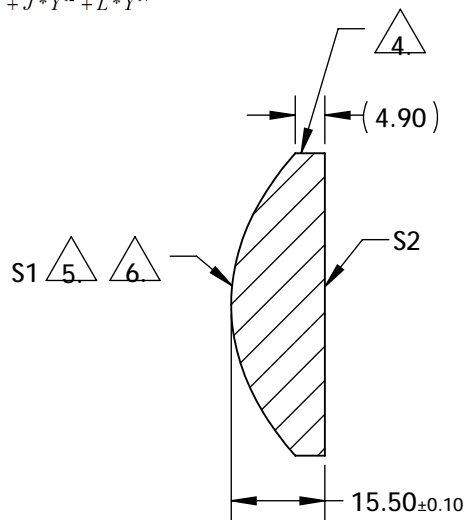
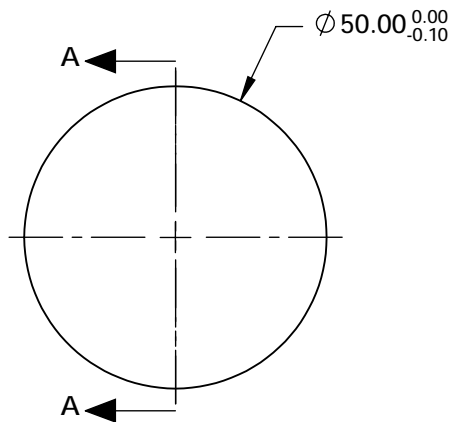
1. SUBSTRATE:  
S-LAH64
2. CENTERING TOLERANCE (AT 587.6nm):  
BEAM DEVIATION (HALF ANGLE): <3 arcmin
3. COATING (APPLY ACROSS COATING APERTURE)  
S1: SWIR (900-1700nm)  
Ravg < 0.5% @ 900 - 1700nm @ ±30° AOI  
Rabs < 1% @ 900 - 1700nm @ ±30° AOI  
S2: SWIR (900-1700nm)  
Ravg < 0.5% @ 900 - 1700nm @ ±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):

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



SECTION A-A

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	 Edmund Optics®			
SHAPE	CONVEX	PLANO	BFL @ 780nm: 31.28			
RADIUS	31.075	INFINITY				
SURFACE QUALITY	40-20	40-20				
CLEAR APERTURE	45 mm	45 mm	TITLE			
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED	50mm Dia., 0.63 NA, 900-1700nm Coated, NIR Aspheric Lens			
ALL DIMS IN			mm	DWG NO	16300	SHEET 1 OF 1