

NOTES:

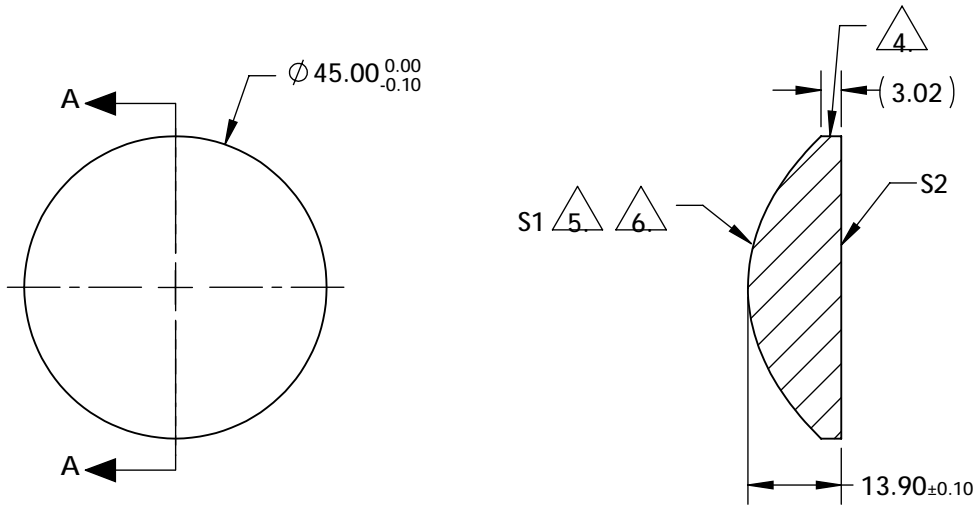
1. SUBSTRATE:  
S-LAH64
2. CENTERING TOLERANCE (AT 587.6nm):  
BEAM DEVIATION (HALF ANGLE): <3 arcmin
3. COATING (APPLY ACROSS COATING APERTURE)  
S1: SWIR (900-1700nm)  
Ravg < 0.5% @ 900 - 1700nm @ ±30° AOI  
Rabs < 1% @ 900 - 1700nm @ ±30° AOI  
S2: SWIR (900-1700nm)  
Ravg < 0.5% @ 900 - 1700nm @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

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



SECTION A-A

COEFFICIENT TABLE 6.	
COEFFICIENT	S1
SEMI-DIAMETER	2.250000E+01
(1/RADIUS)	4.02252615E-02
k	-7.100000E-01
D	0.000000E+00
E	6.645300E-07
F	-7.47800E-10
G	-8.533600E-13
H	-4.328100E-16
J	3.380900E-19
L	0.000000E+00

	S1	S2				
SHAPE	CONVEX	PLANO	BFL @ 780nm: 24.18			
RADIUS	24.860	INFINITY				
SURFACE QUALITY	40-20	40-20				
CLEAR APERTURE	40.5 mm	40.5 mm				
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED				
			THIRD ANGLE PROJECTION		TITLE	45mm Dia., 0.70 NA, 900-1700nm Coated, NIR Aspheric Lens
			ALL DIMS IN	mm	DWG NO	16299
						SHEET 1 OF 1

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