

NOTES:

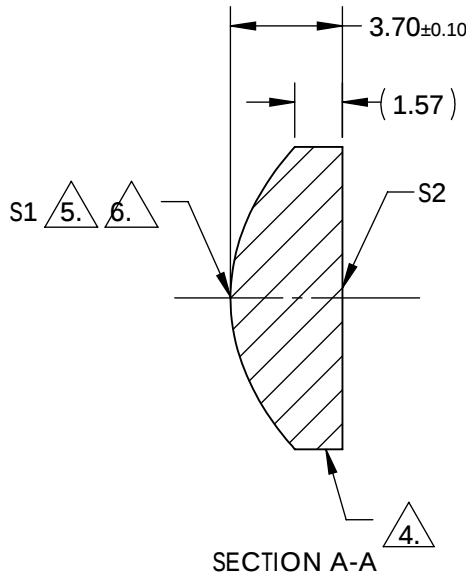
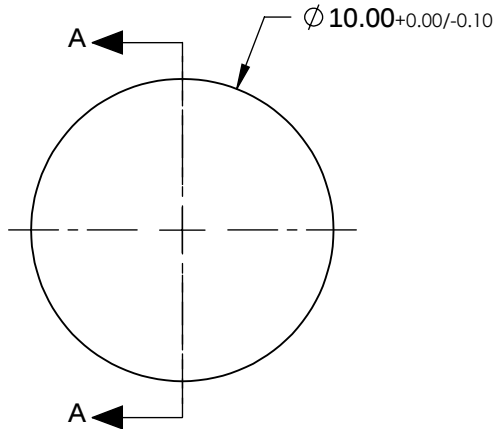
1. SUBSTRATE:
S-LAH64
2. CENTERING TOLERANCE (AT 587.6nm):
BEAM DEVIATION (HALF ANGLE): <3 ARCMIN
3. COATING (APPLY ACROSS COATING APERTURE)
S1: SWIR (900-1700nm)
Ravg < 0.5% @ 900 - 1700nm @ ±30° AOI
Rabs < 1% @ 900 - 1700nm @ ±30° AOI
S2: SWIR (900-1700nm)
Ravg < 0.5% @ 900 - 1700nm @ ±30° AOI
Rabs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

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



COEFFIECIENT TABLE 5.	
COEFFIECIENT	S1
SEMI-DIAMETER	5.000000E+00
(1/RADIUS)	1.609011E-01
k	-9.930000E-01
D	0.000000E+00
E	1.932900E-04
F	-1.552500E-07
G	-1.140000E-08
H	-1.022900E-10
J	1.394500E-12
L	0.000000E+00

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

	S1	S2				
SHAPE	CONVEX	PLANO	BFL @ 780nm:			
RADIUS	6.215	INFINITY				
SURFACE QUALITY	40-20	40-20				
CLEAR APERTURE	9 mm	9 mm	TITLE			
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED	10mm Dia., 0.63 NA, 900-1700nm Coated, NIR Aspheric Lens			
			ALL DIMS IN	mm	DWG NO	SHEET
			16290			1 OF 1

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