

NOTES:

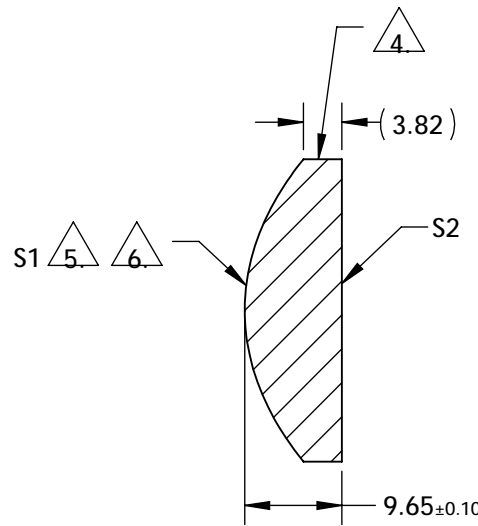
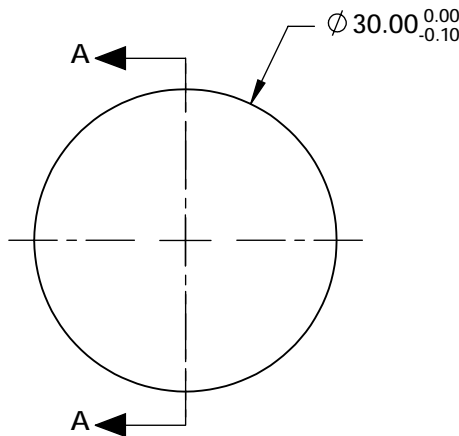
1. SUBSTRATE:
S-LAH64
2. CENTERING TOLERANCE (AT 587.6nm):
BEAM DEVIATION (HALF ANGLE): <3 arcmin
3. COATING (APPLY ACROSS COATING APERTURE)
S1: SWIR (900-1700nm)
Ravg < 0.5% @ 900 - 1700nm @ ±30° AOI
Rabs < 1% @ 900 - 1700nm @ ±30° AOI
S2: SWIR (900-1700nm)
Ravg < 0.5% @ 900 - 1700nm @ ±30° AOI
Rabs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


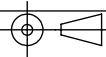
$$Z_{ASPH}(Y) = \frac{(\frac{1}{RADIUS})^2 Y^2}{1 + \sqrt{1 - (1+k) * (\frac{1}{RADIUS})^2 Y^2}} + D * Y^2 + E * Y^4 + F * Y^6 + G * Y^8 + H * Y^{10} + J * Y^{12} + L * Y^{14}$$



SECTION A-A

COEFFICIENT TABLE 6.

COEFFICIENT	S1
SEMI-DIAMETER	1.500000E+01
(1/RADIUS)	4.95049505E-02
k	-9.750000E-01
D	0.000000E+00
E	5.035200E-06
F	-8.189800E-10
G	-2.938300E-12
H	-1.936100E-15
J	3.397600E-18
L	0.000000E+00

	S1	S2	 Edmund Optics®			
SHAPE	CONVEX	PLANO	BFL @ 780nm: 20.57			
RADIUS	20.200	INFINITY				
SURFACE QUALITY	40-20	40-20				
CLEAR APERTURE	27 mm	27 mm	TITLE			
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED	30mm Dia., 0.58 NA, 900-1700nm Coated, NIR Aspheric Lens			
ALL DIMS IN			mm	DWG NO	16298	SHEET 1 OF 1