

NOTES:

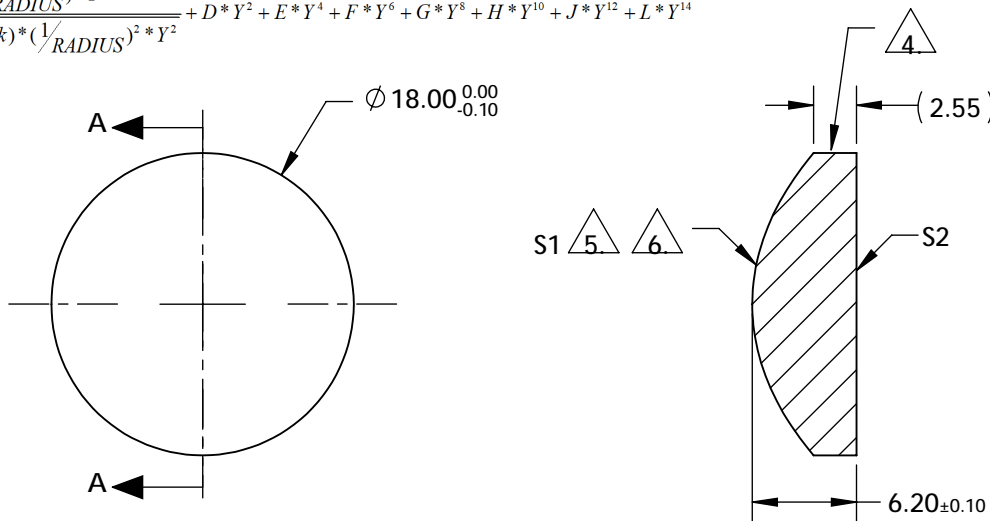
- SUBSTRATE:
S-LAH64
- CENTERING TOLERANCE (AT 587.6nm):
BEAM DEVIATION (HALF ANGLE): <3 arcmin
- COATING (APPLY ACROSS COATING APERTURE)
S1: SWIR (900-1700nm)
Ravg < 0.5% @ 900 - 1700nm @ ±30° AOI
Rabs < 1% @ 900 - 1700nm @ ±30° AOI
S2: SWIR (900-1700nm)
Ravg < 0.5% @ 900 - 1700nm @ ±30° AOI
Rabs <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


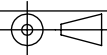
$$Z_{ASPH}(Y) = \frac{(1/RADIUS)^2 * Y^2}{1 + \sqrt{1 - (1+k) * (1/RADIUS)^2 * Y^2}} + D * Y^2 + E * Y^4 + F * Y^6 + G * Y^8 + H * Y^{10} + J * Y^{12} + L * Y^{14}$$



SECTION A-A

COEFFICIENT TABLE 6.

COEFFICIENT	S1
SEMI-DIAMETER	9.000000E+00
(1/RADIUS)	8.58369099E-02
k	-1.002000E+00
D	0.000000E+00
E	2.915900E-05
F	-1.002600E-08
G	-1.377200E-10
H	-3.361200E-13
J	1.530400E-15
L	0.000000E+00

	S1	S2	 Edmund Optics®			
SHAPE	CONVEX	PLANO	BFL @ 780nm: 11.51			
RADIUS	11.650	INFINITY				
SURFACE QUALITY	40-20	40-20				
CLEAR APERTURE	16.2mm	16.2mm	TITLE			
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED	18mm Dia., 0.60 NA, 900-1700nm Coated, NIR Aspheric Lens			
ALL DIMS IN mm			DWG NO	16294	SHEET 1 OF 1	