

NOTES:

1. SUBSTRATE:
N-SF5
2. COATING (APPLY ACROSS CLEAR APERTURE)

S1 & S2: NIR (600 - 1050nm)
Ravg ≤1.5% @ 600 - 1050nm

3. EDGES: FINE GROUND

4. CENTERING: ≤5

5. ASPHERE FIGURE ERROR: 1.2λ

6.  ROHS COMPLIANT

$$Z(Y) = \frac{\left(\frac{1}{\text{RADIUS}}\right)^2 Y^2}{1 + \sqrt{1 - (1+k) \left(\frac{1}{\text{RADIUS}}\right)^2 Y^2}} + D*Y^2 + E*Y^4 + F*Y^6 + G*Y^8 + H*Y^{10} + J*Y^{12} + L*Y^{14} + M*Y^{16}$$

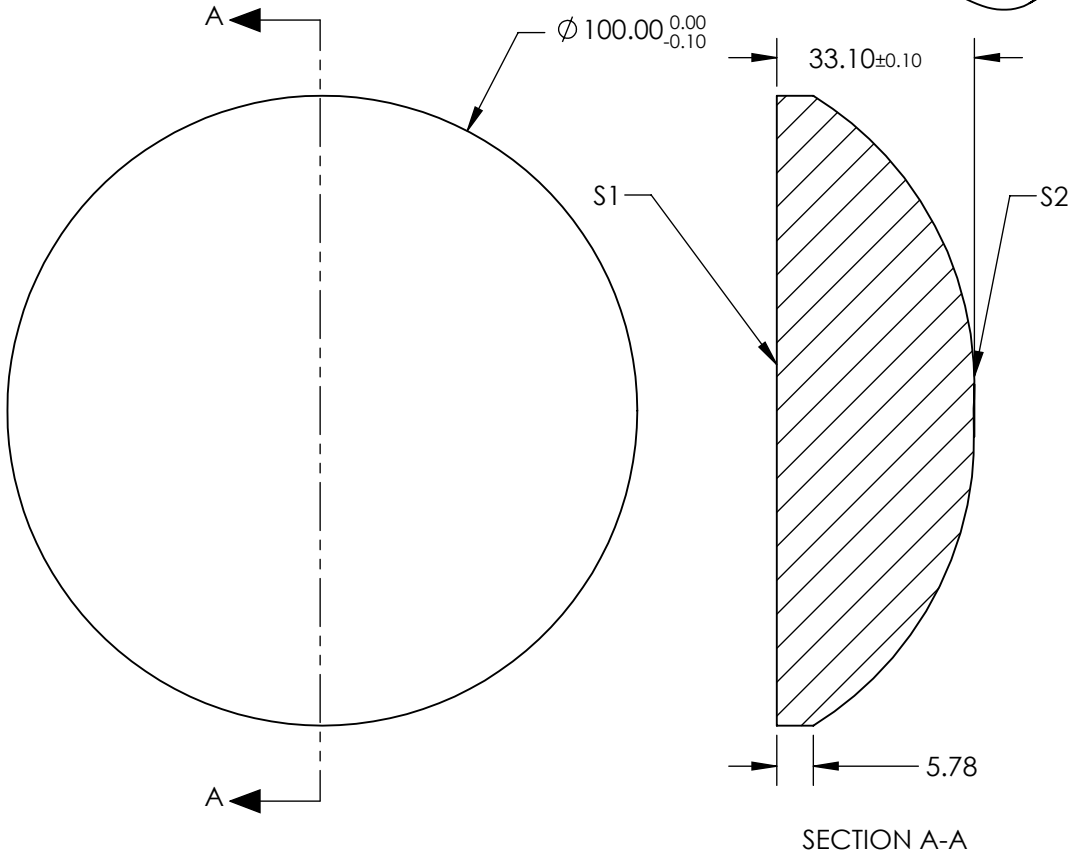
COEFFICIENT TABLE

COEFFICIENT	S2
RADIUS	53.817
k	-7.860000E-01
D	0.000000E+00
E	1.650000E-07
F	3.220000E-12
G	-1.030000E-15
H	-4.030000E-19
J	1.990000E-23
L	0.000000E+00
M	0.000000E+00

	S1	S2
SHAPE	PLANO	CONVEX
RADIUS	INFINITY	53.817
SURFACE QUALITY	60-40	60-40
CLEAR APERTURE	Ø 90	Ø 90
BEVEL	PROTECTED AS NEEDED	PROTECTED AS NEEDED

FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY



 **Edmund Optics®**



THIRD ANGLE
PROJECTION

TITLE

100mm Dia., 0.63 Numerical Aperture NIR
Coated, Aspheric Lens

DWG NO

22719

SHEET
15 OF 18