

NOTES:

1. SUBSTRATE:
N-BK7

2. COATING (APPLY ACROSS CLEAR APERTURE)

S1 & S2: VIS (425 - 625nm)
Ravg ≤1.5% @ 425 - 675nm

3. EDGES: FINE GROUND

4. CENTERING: ≤5

5. ASPHERE FIGURE ERROR: 1.2λ

6. ROHS COMPLIANT

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

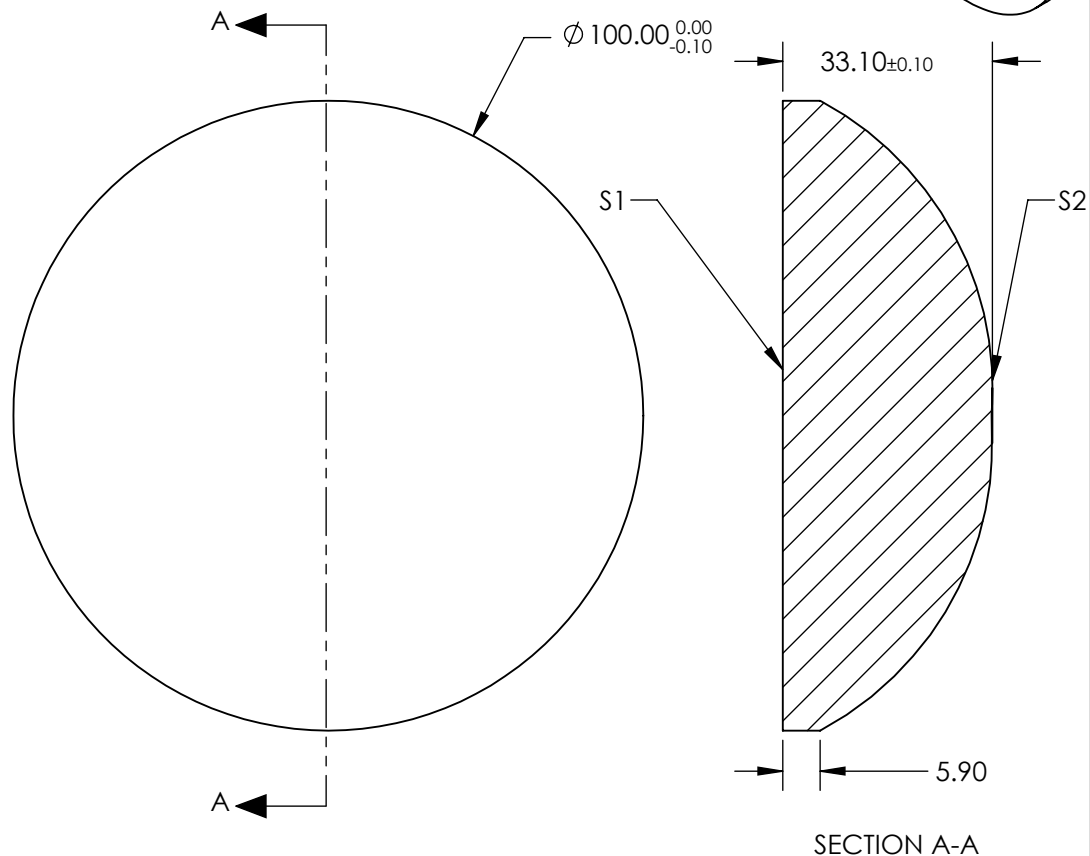
COEFFICIENT TABLE

COEFFICIENT	S2
RADIUS	51.68
k	-1.000000E+00
D	0.000000E+00
E	4.050000E-07
F	2.660000E-11
G	1.480000E-15
H	1.330000E-19
J	-2.040000E-23
L	0.000000E+00
M	0.000000E+00

	S1	S2
SHAPE	PLANO	CONVEX
RADIUS	INFINITY	51.68
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., 0.50 Numerical Aperture VIS
Coated, Aspheric Lens

DWG NO

22708

ALL DIMS IN

mm

SHEET
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