

NOTES:

1. SUBSTRATE:
N-BK7
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

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

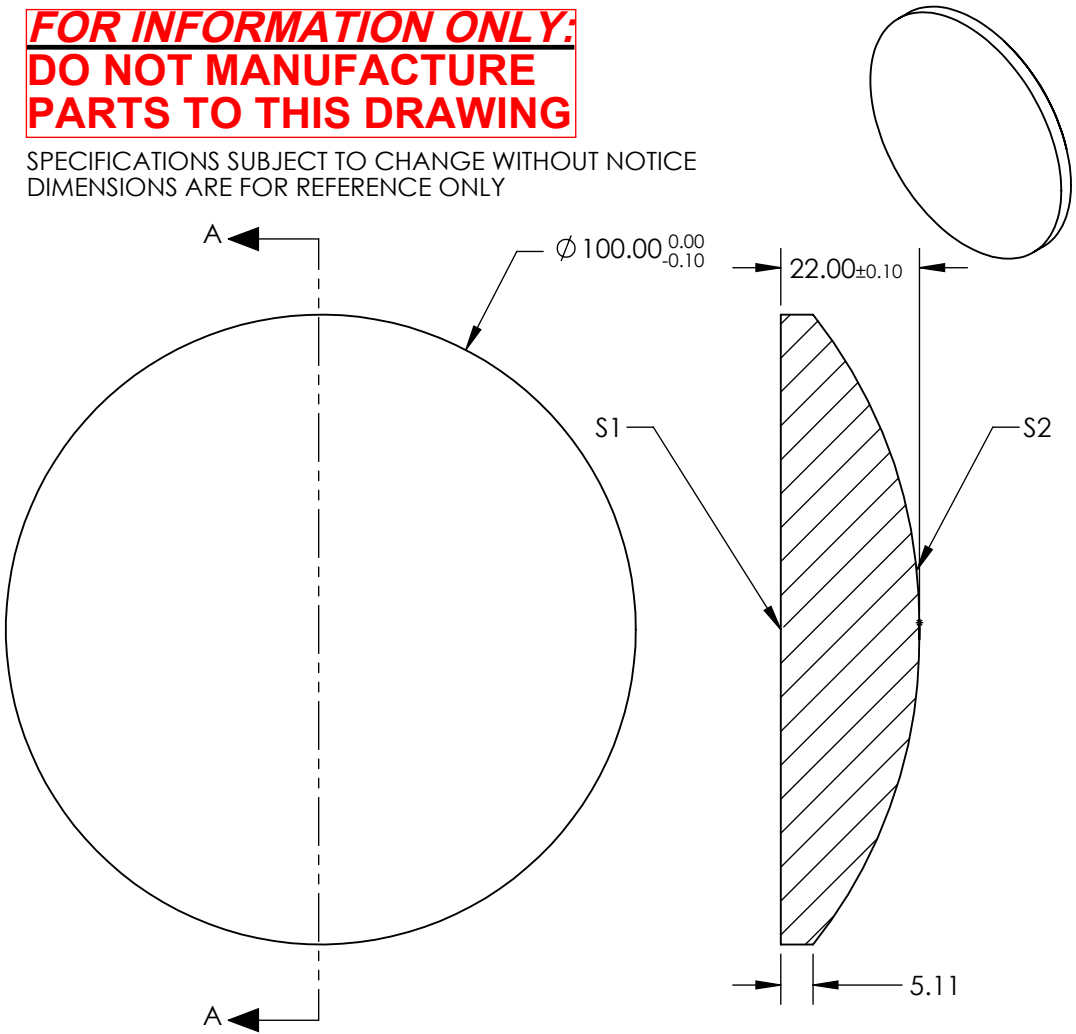
COEFFICIENT TABLE

COEFFICIENT	S2
RADIUS	77.52
k	-7.150000E-01
D	0.000000E+00
E	3.860000E-08
F	1.245000E-12
G	0.000000E+00
H	0.000000E+00
J	0.000000E+00
L	0.000000E+00
M	0.000000E+00

	S1	S2
SHAPE	PLANO	CONVEX
RADIUS	INFINITY	77.52
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



SECTION A-A

Edmund Optics®



THIRD ANGLE
PROJECTION

TITLE

100mm Dia., 0.33 Numerical Aperture NIR
Coated, Aspheric Lens

DWG NO

22717

SHEET
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