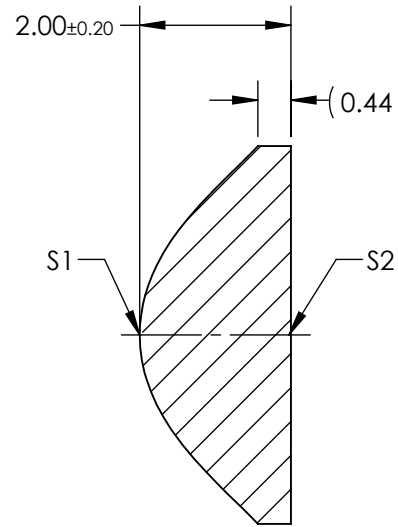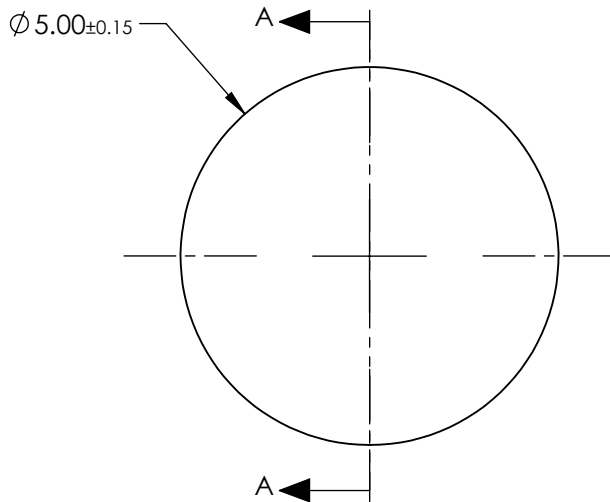NOTES:

1. SUBSTRATE: N-F2

2. COATING:

    S1 & S2: R(AVG) ≤ 1.75% @ 400 - 700nm

3. FOCAL LENGTH TOLERANCE: ±5 %

4. CENTERING: ≤25 ARCMIN

5. RoHS: COMPLIANT

6. ASPHERIC SURFACE DESCRIBED BY THE FOLLOWING EQUATION AND COEFFICIENTS SHOWN IN TABLE BELOW

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

⌀ 5.00 ±0.15

A — A

2.00 ±0.20

(0.44)

S1 — S2
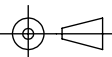
SECTION A-A

COEFFICIENT TABLE	
COEFFIECIENT	S1
SEMI-DIAMETER	2.500000E+00
(1/RADIUS)	5.197505E-01
k	-9.000000E-01
D	0.000000E+00
E	4.970000E-03
F	-1.360000E-03
G	0.000000E+00
H	0.000000E+00
J	0.000000E+00
L	0.000000E+00

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

EFL: 3.1mm

BFL: 1.9mm

Edmund Optics®

	S1	S2
SHAPE	CONVEX	PLANO
SURFACE QUALITY	As Molded	As Molded
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

THIRD ANGLE PROJECTION

TITLE: 5mm DIA. x 3.1mm FL, MgF2 COATED MOLDED ASPHERIC CONDENSER LENS

ALL DIMS IN: mm

DWG NO: 15677

SHEET 1 OF 1