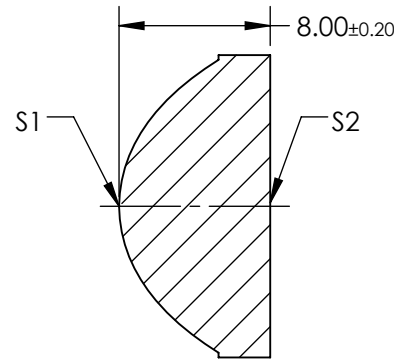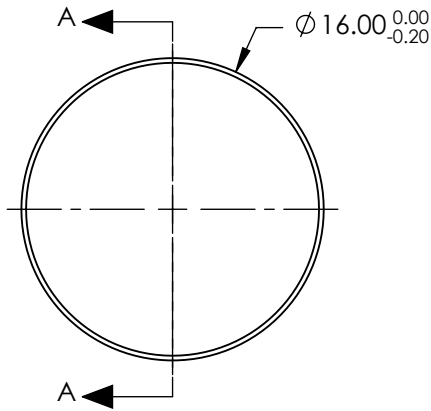NOTES:

1. SUBSTRATE: N-F2

2. COATING:

   S1 & S2: ¼ WAVE MgF2 @ 550nm

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

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

$\emptyset\ 16.00^{0.00}_{-0.20}$

A — A

8.00 ±0.20

S1 — S2
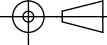
SECTION A-A

COEFFICIENT TABLE	
COEFFIECIENT	S1
SEMI-DIAMETER	8.000000E+00
(1/RADIUS)	0.146941E+00
k	-1.000000E+00
D	0.000000E+00
E	1.764200E-04
F	1.327300E-06
G	-5.529600E-09
H	0.000000E+00
J	0.000000E+00
L	0.000000E+00

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

	S1	S2
SHAPE	CONVEX	PLANO
SURFACE QUALITY	As Molded	As Molded
CLEAR APERTURE	Ø12.80	Ø12.80
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

EFL: 10.8mm

BFL: 5.86mm

THIRD ANGLE PROJECTION

Edmund Optics®

TITLE: 16mm DIA. X 10.8mm FL, MgF2 MOLDED ASPHERIC CONDENSER LENS

ALL DIMS IN | mm

DWG NO: 35047

SHEET 1 OF 1