NOTES:

1. SUBSTRATE: LIBA2000+

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

$$Z_{ASPH}(Y) = \frac{(1/RADIUS)*Y^2}{1+\sqrt{1-(1+k)*(1/RADIUS)^2*Y^2}} + D*Y^2 + E*Y^4 + F*Y^6 + G*Y^8 + H*Y^{10} + J*Y^{12} + L*Y^{14}$$
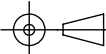
$\emptyset$ 18.00 $^{0.00}_{-0.20}$

A — A

SECTION A-A

7.40±0.20

S1   S2
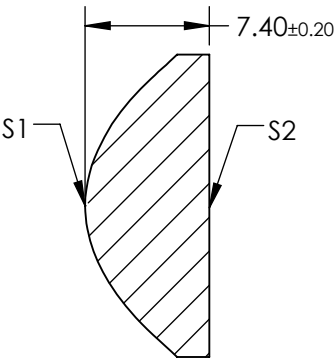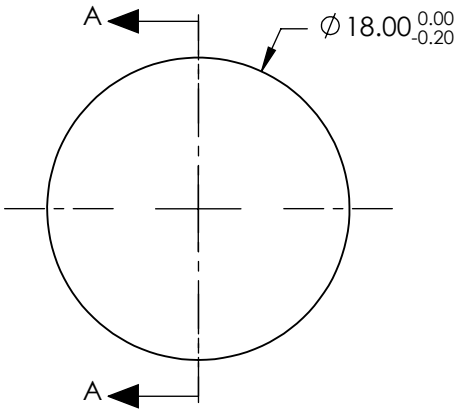
COEFFICIENT TABLE 6.

COEFFIECIENT	S1
SEMI-DIAMETER	9.000000E+00
(1/RADIUS)	0.141633E+00
k	1.131000+00
D	0.000000E+00
E	-0.000210E+00
F	6.350000E-06
G	-4.6000000E-8
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	$\emptyset$14.40	$\emptyset$14.40
BEVEL	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

EFL: 13.5mm

BFL: 8.64mm

THIRD ANGLE PROJECTION

Edmund Optics®

TITLE: 18mm DIA. X 13.5mm FL, MgF2 MOLDED ASPHERIC CONDENSER LENS

ALL DIMS IN: mm

DWG NO: 35049

SHEET 1 OF 1