NOTES:

1. SUBSTRATE: Liba2000+

2. COATING:

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

3. FOCAL LENGTH TOLERANCE: ±5 %

4. CENTERING: ≤25 ARCMIN

5. RoHS: COMPLIANT

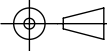6. ASPHERIC SURFACE DESCRIBED BY THE FOLLOWING EQUATION AND COEFFICIENTS SHOWN IN TABLE BELOW

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

A

A

$\varnothing$ 20.00 $^{0.00}_{-0.10}$

6.40±0.20

(1.18)

S1

S2

R44.97

SECTION A-A
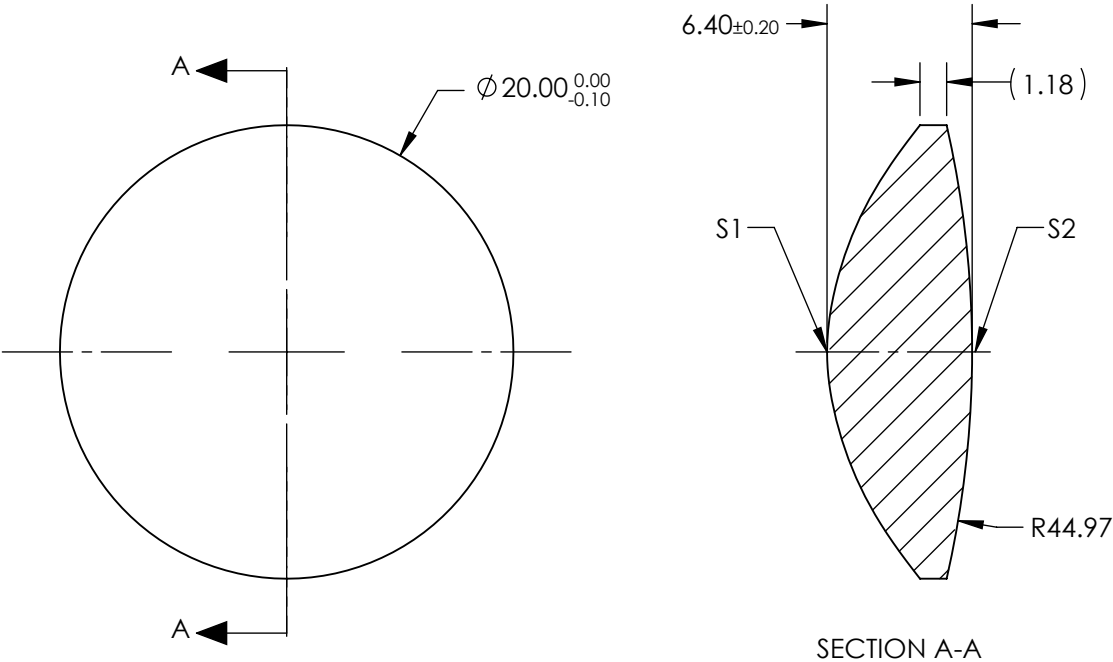
COEFFICIENT TABLE	
COEFFIECIENT	S1
SEMI-DIAMETER	1.000000E+01
(1/RADIUS)	9.931473E-02
k	-9.565000E+00
D	0.000000E+00
E	2.698440E-04
F	-1.042250E-06
G	0.000000E+00
H	0.000000E+00
J	0.000000E+00
L	0.000000E+00

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY

EFL: 16.4mm

BFL: 12.85mm

Edmund Optics®

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

THIRD ANGLE PROJECTION

TITLE

20mm DIA. x 16.4mm FL, MgF2 COATED
MOLDED ASPHERIC CONDENSER LENS

ALL DIMS IN | mm

DWG NO | 15679

SHEET 1 OF 1