NOTES:
1. SUBSTRATE:
   ACRYLIC V825

2. COATING

   S1: NONE
   S2: NONE

3. FOCAL LENGTH TOLERANCE: 1.5%

4. DESIGN WAVELENGTH (DWL): 550nm

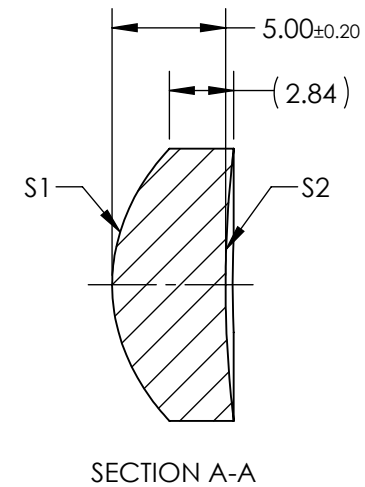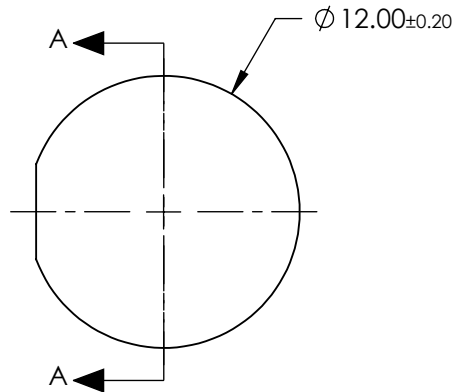5. ASPHERIC SURFACE DESCRIBED BY (REF. COEFFICIENT TABLE)

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

6. RoHS COMPLIANT

7. RADIUS IS NOT CONTINUOUS DUE TO GATE ON S3 USED DURING MANUFACTURING.

$\varnothing$ 12.00 ±0.20

5.00 ±0.20

(2.84)

S1   S2

SECTION A-A

COEFFIECIENT TABLE ⑤

COEFFIECIENT	S1
C	-1.282709E-01
k	-4.855000E-01
D	0.000000E+00
E	-1.132700E-06
F	-4.854200E-11
G	2.175200E-10
H	3.605100E-12
J	1.724800E-14
L	-9.549700E-16

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE DIMENSIONS ARE FOR REFERENCE ONLY

	S1	S2
SHAPE	CONVEX	CONCAVE
RADIUS	-7.796	50.00
SURFACE QUALITY	60-40	60-40
CLEAR APERTURE	$\varnothing$ 12.00	$\varnothing$ 12.00
BEVEL MAX	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

EFL @ 550nm	18.01
BFL @ 550nm	14.19

Edmund Optics®

THIRD ANGLE PROJECTION

TITLE: 12mm DIA. x 18mm FL, SMALL DIAMETER PLASTIC ASPHERIC LENS

ALL DIMS IN mm

DWG NO 15276

SHEET 1 OF 1