NOTES:
1. SUBSTRATE: GRADE A FINE ANNEALED
   ZEONEX E48R

2. COATING:
   S1: R(avg) ≤0.75% @ 425 - 675nm
   S2: R(avg) ≤0.75% @ 425 - 675nm

3. EDGES: FINE GROUND

4. ASPHERIC SURFACE DESCRIBED BY:

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

6. SURFACE PROFILE CHANGE DUE TO DIFFRACTIVE PATTERN DEFINED BY:
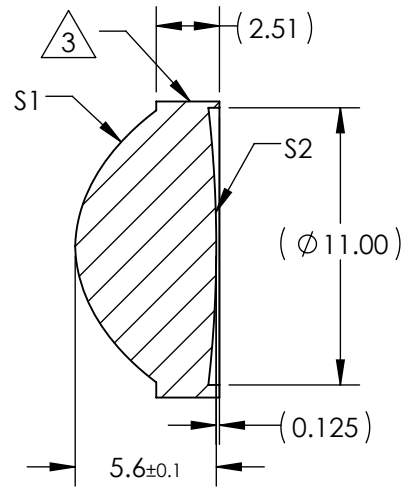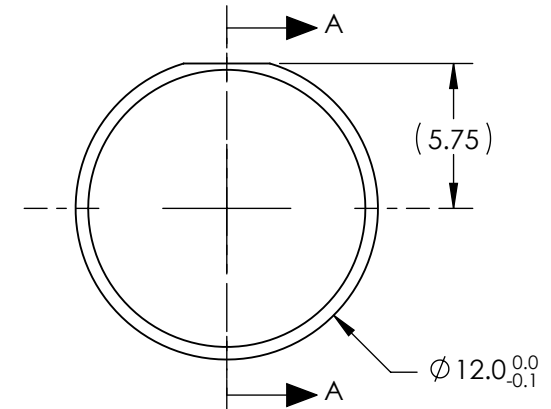   WHERE: $STEP\_HEIGHT = \frac{\lambda}{nd-1}$

$$Z_{DIFF}(Y) = \frac{1}{(nd-1)}*(Z_2*Y^2 + Z_4*Y^4) + (STEP\_HEIGHT)*\left[\left|INT\left(\frac{1}{\lambda}*(Z_2*Y^2 + Z_4*Y^4)\right)\right|\right]$$
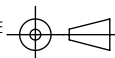
COEFFIECIENT TABLE

COEFFIECIENT	S1
λ	0.587 MICRONS
Z2	-2.7415629E-3
Z4	-2.2742501E-5
k	-0.6
D	0
E	-4.4316102E-6
F	-1.4996435E-6
G	-1.4377354E-8
H	-1.3415046E-9
J	0
L	0

SECTION A-A

(2.51)
S1
S2
(Ø 11.00)
(0.125)
5.6±0.1

(5.75)
Ø 12.0 0.0 -0.1

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE DIMENSIONS ARE FOR REFERENCE ONLY

	REV. A	S1	S2
SHAPE		CONVEX	CONVEX
RADIUS		5.379	48.3
SURFACE QUALITY		60 - 40	60 - 40
CLEAR APERTURE		Ø 10.0	Ø 10.0
BEVEL MAX		PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

EFL (@ 587.6nm)	9
BFL (@ 587.6nm)	5.57

THIRD ANGLE PROJECTION

TITLE: 12mm DIA. X 9mm FL, VIS COATED, HYBRID ASPHERE

Edmund Optics®

ALL DIMS IN mm

DWG NO 65996

SHEET 1 OF 1