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:

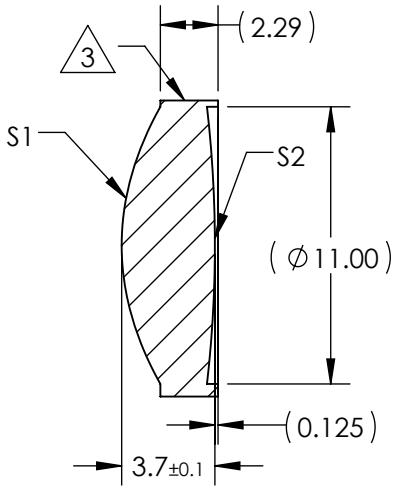
$$Z_{ASPH}(Y) = \frac{(1/RADIUS)*Y^2}{1+\sqrt{1-(1+k)*(1/RADIUS)^2*Y^2}} + D*Y^2 + E*Y^4 + F*Y^6 + G*Y^8 + H*Y^{10} + J*Y^{12} + L*Y^{14}$$

6. SURFACE PROFILE CHANGE DUE TO DIFFRACTIVE PATTERN DEFINED BY:
   WHERE:

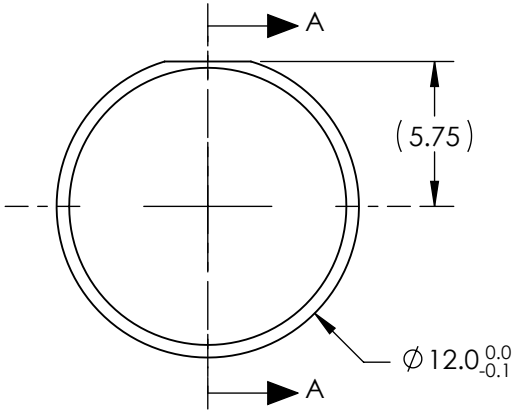
$$STEP\_HEIGHT = \frac{\lambda}{nd-1}$$

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

FOR INFORMATION ONLY:
DO NOT MANUFACTURE PARTS TO THIS DRAWING



SECTION A-A



COEFFIECIENT TABLE	
COEFFIECIENT	**S1**
λ	0.587 MICRONS
Z2	-1.85056E-3
Z4	0
k	-0.71
D	0
E	-1.5819801E-5
F	-2.7709517E-7
G	-1.216086E-9
H	0
J	0
L	0

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE DIMENSIONS ARE FOR REFERENCE ONLY

REV. A	S1	S2
SHAPE	CONVEX	CONVEX
RADIUS	9.93	48.3
SURFACE QUALITY	60 - 40	60 - 40
CLEAR APERTURE	∅10.0	∅10.0
BEVEL MAX	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

EFL (@ 587.6nm)	15	Edmund Optics®	
BFL (@ 587.6nm)	12.95		
THIRD ANGLE PROJECTION		TITLE	12mm DIA. X 15mm FL, VIS COATED, HYBRID ASPHERE
ALL DIMS IN	mm	DWG NO	65998
			SHEET 1 OF 1