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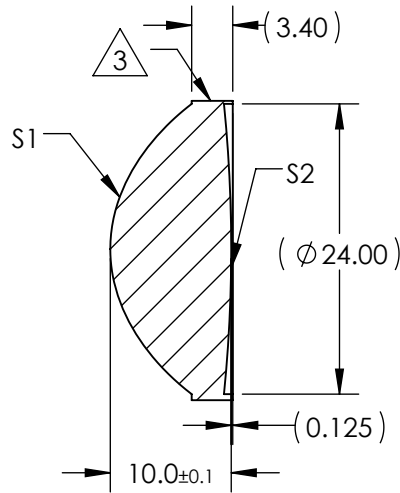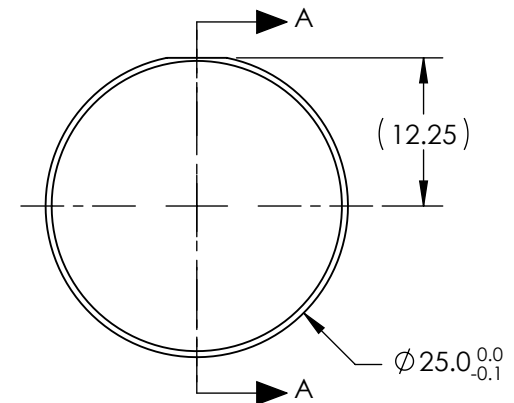 $$STEP\_HEIGHT = \frac{\lambda}{nd-1}$$

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

COEFFIECIENT TABLE

COEFFIECIENT	S1
λ	0.587 MICRONS
Z2	-1.3038692E-3
Z4	-1.8779522E-06
k	-0.6
D	0
E	-1.6901876E-6
F	-3.085777E-8
G	-1.0872058E-10
H	-7.5852482E-13
J	0
L	0

(3.40)

S1

S2

(⌀24.00)

(0.125)

10.0±0.1

SECTION A-A

A

(12.25)

⌀25.0 $^{0.0}_{-0.1}$

A

REV. A		S1	S2
SHAPE		CONVEX	CONVEX
RADIUS		12.0	120.0
SURFACE QUALITY		60 - 40	60 - 40
CLEAR APERTURE		⌀23.0	⌀23.0
BEVEL MAX		PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE DIMENSIONS ARE FOR REFERENCE ONLY

EFL (@ 587.6nm)	20
BFL (@ 587.6nm)	13.89

THIRD ANGLE PROJECTION

EO® Edmund Optics®

TITLE: 25mm DIA. X 20mm FL, VIS COATED, HYBRID ASPHERE

ALL DIMS IN: mm

DWG NO: 66001

SHEET 1 OF 1