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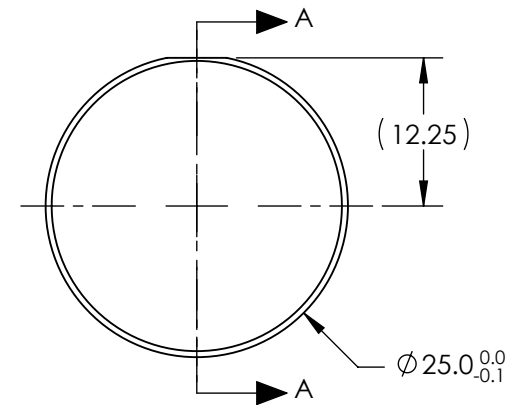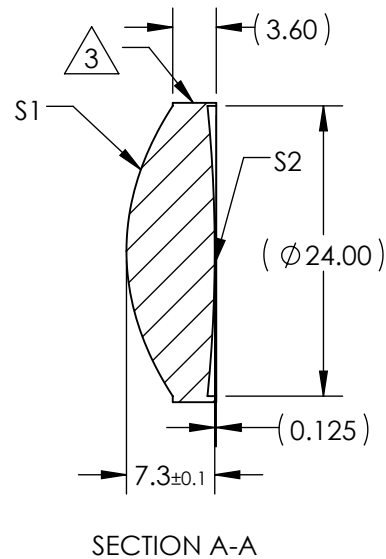   WHERE: $STEP\_HEIGHT = \frac{\lambda}{nd-1}$

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

COEFFIECIENT TABLE

COEFFIECIENT	S1
λ	0.587 MICRONS
Z2	-9.0934891E-4
Z4	-2.9217142E-7
k	-0.52
D	0
E	-4.5472262E-6
F	-1.0144672E-8
G	-1.5372192E-11
H	0
J	0
L	0

SECTION A-A

Dimensions in section view: (3.60), S1, S2, (⌀24.00), (0.125), 7.3±0.1

Dimensions in front view: (12.25), A, A, ⌀25.0 $^{0.0}_{-0.1}$

REV. A	S1	S2
SHAPE	CONVEX	CONVEX
RADIUS	19.2	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)	30
BFL (@ 587.6nm)	25.82

Edmund Optics®

THIRD ANGLE PROJECTION

TITLE: 25mm DIA. X 30mm FL, VIS COATED, HYBRID ASPHERE

ALL DIMS IN: mm

DWG NO: 66003

SHEET 1 OF 1