

NOTES:

1. SUBSTRATE: GRADE A FINE ANNEALED ZEONEX E48R
2. COATING:
S1: NONE
S2: NONE

3. EDGES: FINE GROUND

4. ASPHERIC SURFACE DESCRIBED BY:

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

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

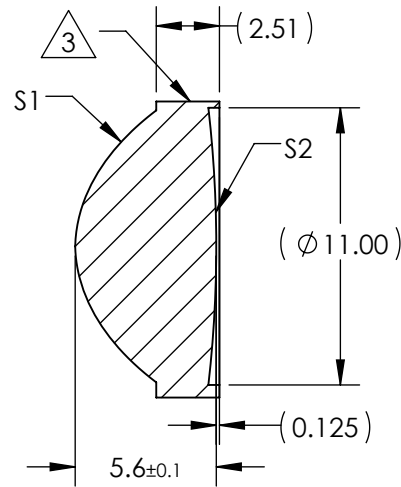
WHERE:

$$\frac{STEP}{nd - 1} = \frac{HEIGHT}{-1}$$

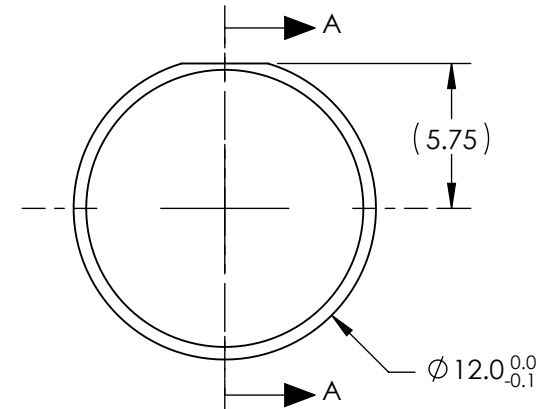
$$Z_{DIFF}(Y) = \frac{1}{(nd - 1)} * (Z_2 * Y^2 + Z_4 * Y^4) + (STEP_HEIGHT) * \left[INT \left(\frac{1}{\lambda} * (Z_2 * Y^2 + Z_4 * Y^4) \right) \right]$$

**FOR INFORMATION ONLY:
DO NOT MANUFACTURE
PARTS TO THIS DRAWING**


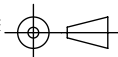
COEFFICIENT TABLE	
COEFFICIENT	S1
λ	0.587 MICRONS
Z_2	-2.7415629E-3
Z_4	-2.2742501E-5
k	-0.6
D	0
E	-4.4316102E-6
F	-1.4996435E-6
G	-1.4377354E-8
H	-1.3415046E-9
J	0
L	0



SECTION A-A



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE DIMENSIONS ARE FOR REFERENCE ONLY

REV. A	S1	S2	EFL (@ 587.6nm)	9	 Edmund Optics®	
SHAPE	CONVEX	CONVEX	BFL (@ 587.6nm)	5.57		
RADIUS	5.379	48.3			TITLE	12mm DIA. X 9mm FL, UNCOATED, HYBRID ASPHERE
SURFACE QUALITY	60 - 40	60 - 40			DWG NO	65986
CLEAR APERTURE	Ø 10.0	Ø 10.0	ALL DIMS IN	mm		SHEET 1 OF 1
BEVEL MAX	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED				