

NOTES:

1. SUBSTRATE:
Zeonex K22R

2. COATING (APPLY ACROSS CLEAR APERTURE)

S1&S2: NONE

3. FINE GRIND SURFACE

4. ASPHERIC SURFACE DEFINED BY:

$$Z_{ASPH}(Y) = \frac{\left(\frac{1}{RADIUS}\right) * Y^2}{1 + \sqrt{1 - (1+k) * \left(\frac{1}{RADIUS}\right)^2 * Y^2}} + D * Y^2 + E * Y^4 + F * Y^6 + G * Y^8 + H * Y^{10} + J * Y^{12} + L * Y^{14} + M * Y^{16}$$

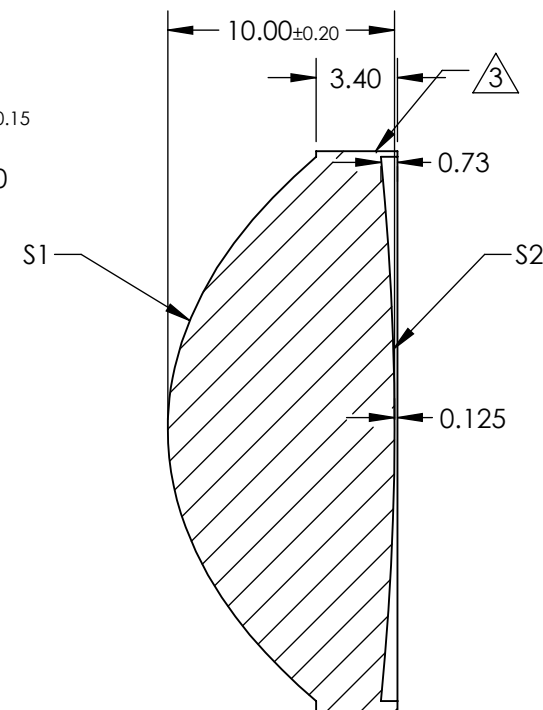
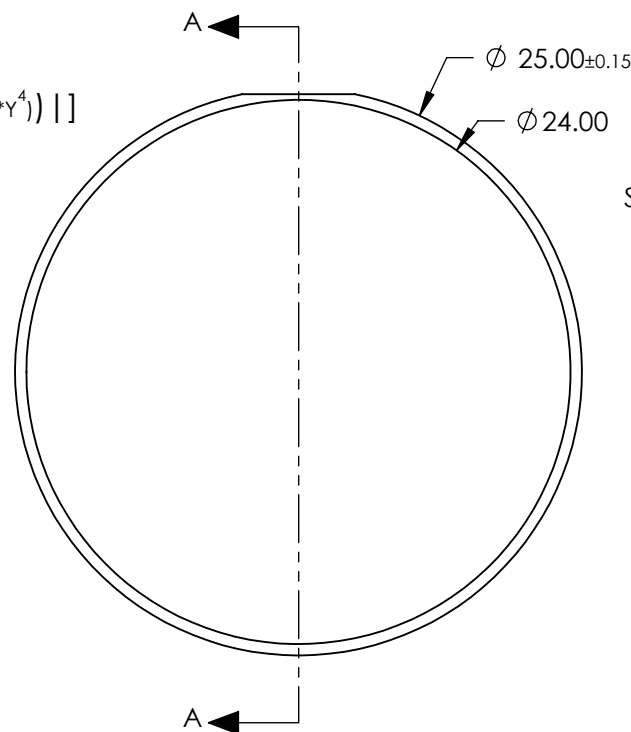
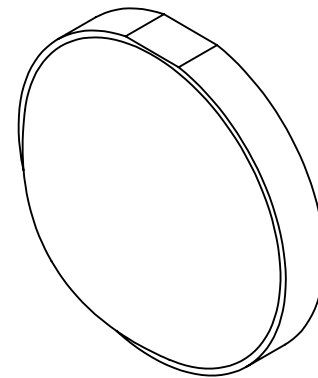
5. SURFACE PROFILE CHANGE DUE TO DIFFRACTIVE PATTERN DEFINED BY:

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

WHERE: $STEP_HEIGHT = \frac{\lambda}{(nd - 1)}$

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

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
DIMENSIONS ARE FOR REFERENCE ONLY



SECTION A-A

COEFFICIENT TABLE

COEFFICIENT	S1
Z_2	-1.303869E-03
Z_4	-1.877952E-06
λ	0.587 MICRONS
k	-6.000000E-01
D	0.000000E+00
E	-1.690188E-06
F	-3.085777E-08
G	-1.087206E-10
H	-7.585248E-13
J	0.000000E+00
L	0.000000E+00
M	0.000000E+00

	S1	S2
SHAPE	CONVEX	CONVEX
RADIUS	12.00	120.00
SURFACE QUALITY	80-50	80-50
CLEAR APERTURE	Ø 21.50	Ø 21.50
BEVEL	PROTECTED AS NEEDED	PROTECTED AS NEEDED



ALL DIMS IN

mm



Edmund Optics®

TITLE

25mm Dia. x 20mm FL, Uncoated, Hybrid
Asphere

DWG NO

21225

SHEET
1 OF 1