

NOTES:

1. SUBSTRATE:
Zeonex K22R

2. COATING (APPLY ACROSS CLEAR APERTURE)

S1&S2: NONE

3. FINE GRIND SURFACE

4. ASPHERIC SURFACE DEFINED BY:

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

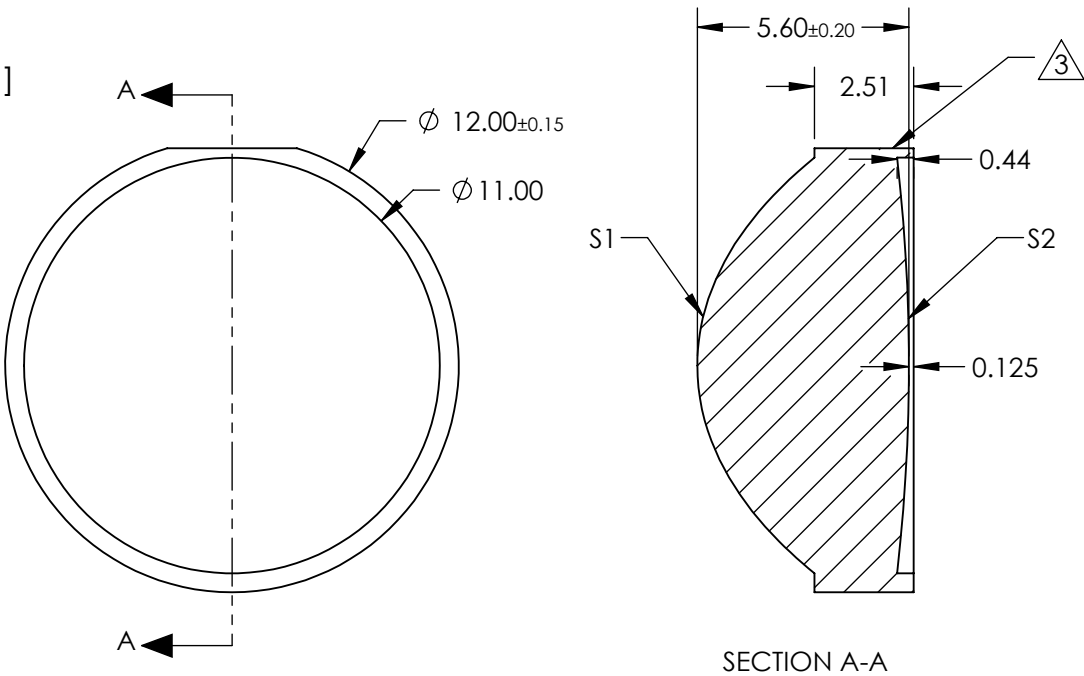
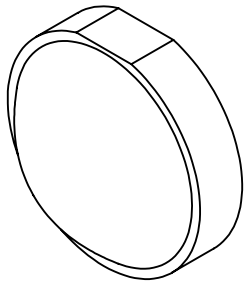
5. SURFACE PROFILE CHANGE DUE TO DIFFRACTIVE PATTERN DEFINED BY:

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

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



COEFFICIENT TABLE

COEFFICIENT	S1
Z ₂	-2.741563E-03
Z ₄	-2.274250E-05
λ	0.587 MICRONS
k	-6.000000E-01
D	0.000000E+00
E	-4.431610E-06
F	-1.499643E-06
G	-1.437735E-08
H	-1.341505E-09
J	0.000000E+00
L	0.000000E+00
M	0.000000E+00

	S1	S2
SHAPE	CONVEX	CONVEX
RADIUS	5.379	48.30
SURFACE QUALITY	80-50	80-50
CLEAR APERTURE	Ø 10.00	Ø 10.00
BEVEL	PROTECTED AS NEEDED	PROTECTED AS NEEDED

Edmund Optics®

TITLE

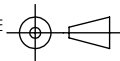
12mm Dia. x 9mm FL, Uncoated, Hybrid
Asphere

DWG NO

21222

SHEET
1 OF 1

THIRD ANGLE
PROJECTION



ALL DIMS IN

mm