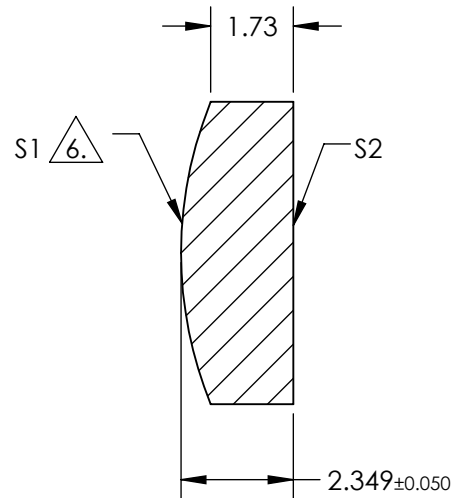
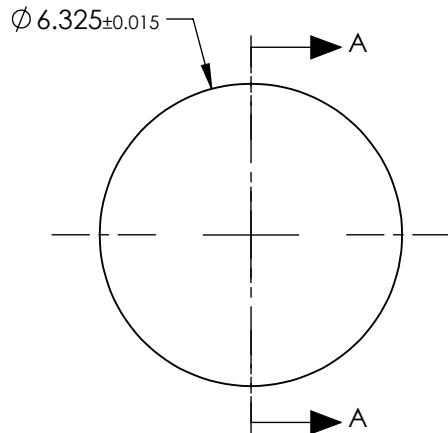


NOTES:

1. SUBSTRATE:
D-ZK3
2. NUMERICAL APERTURE: 0.19
3. COATING
S1 & S2: R(AVG) ≤ 0.5% @ 350 - 700nm
4. FOCAL LENGTH TOLERANCE: ±1%
5. TRANSMITTED WAVEFRONT ERROR (λ, RMS): < 0.145

△ 6. ASPHERIC SURFACE DESCRIBED BY (REF. COEFFICIENT TABLE)

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

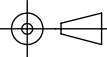


SECTION A-A

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

COEFFICIENT TABLE △ 6.	
COEFFICIENT	S1
SEMI-DIAMETER	3.162500E+00
(1/RADIUS)	1.222323E-01
k	-1.294331E+00
D	0.000000E+00
E	1.628517E-04
F	3.319573E-08
G	4.288261E-10
H	-1.099969E-11
J	0.000000E+00
L	0.000000E+00

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE DIMENSIONS ARE FOR REFERENCE ONLY

	S1	S2	EFL	14.00	 Edmund Optics®	
SHAPE	CONVEX	PLANO	BFL	12.60		
RADIUS	8.18	INFINITY			TITLE	0.19 NA 14mm FL 350-700nm COATED, LASER TOOL ASPHERIC LENS
SURFACE QUALITY	60 - 40	60 - 40			DWG NO	83693
CLEAR APERTURE	Ø5.20	Ø5.20	ALL DIMS IN	mm		
BEVEL MAX	PROTECTIVE AS NEEDED	PROTECTIVE AS NEEDED				SHEET 1 OF 1