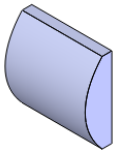
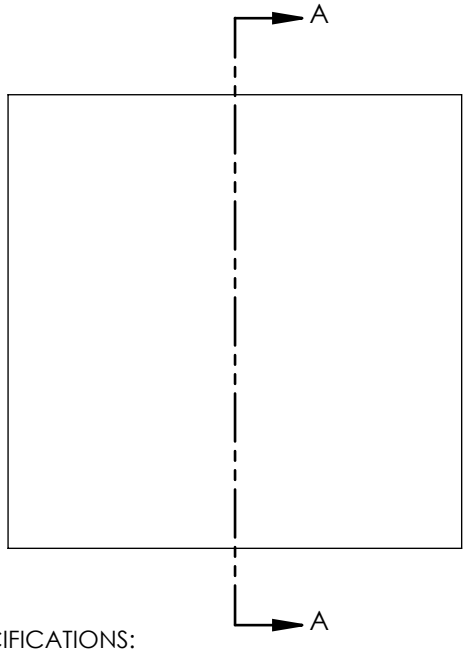
	R	k	A_4	A_6	A_8	A_{10}	A_{12}	A_{14}
S1	9.323	-1	5.6701194E-5	-2.9695257E-8	-6.7147817E-10	-1.9589951E-12	8.2834399E-15	6.1793501E-17
S2	-	-	-	-	-	-	-	-

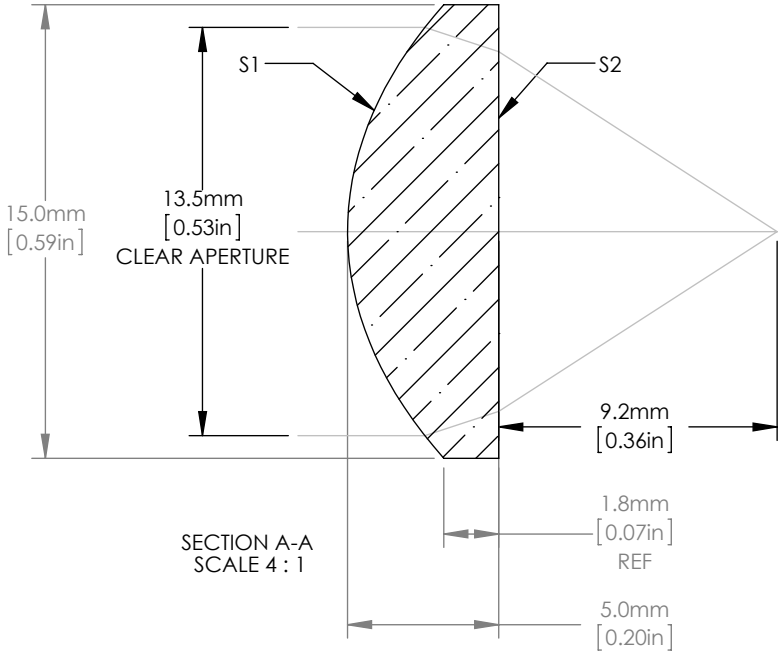
$$z = \frac{Y^2}{R\left(1+\sqrt{1-(1+k)Y^2/R^2}\right)} + A_4Y^4 + A_6Y^6 + A_8Y^8 + A_{10}Y^{10} + A_{12}Y^{12} + A_{14}Y^{14}$$

ASPHERIC LENS EQUATION



ISOMETRIC VIEW
1 : 1





SECTION A-A
SCALE 4 : 1

NOTES/SPECIFICATIONS:

1. REFRACTIVE INDEX AT DESIGN WAVELENGTH: 1.777
2. DESIGN WAVELENGTH: 780nm
3. FOCAL LENGTH: EFL = 12.00mm ± 1%
4. NUMERICAL APERTURE: 0.49
5. WORKING DISTANCE: 9.2 mm
6. MAGNIFICATION: INFINITE
7. SURFACE QUALITY: 60-40 SCRATCH-DIG
8. RMS WFE: < 0.5 µm
9. CLEAR APERTURE (COLLIMATING): 13.5 X 13.5 MM
10. CLEAR APERTURE (FOCUSING): 13.5 X 11.9 mm
11. CENTER THICKNESS: 5.0 mm
12. COATING(S1,S2): BBAR
    650-1050nm; Ravg < 0.5%
    0° AOI

FOR INFORMATION ONLY
NOT FOR MANUFACTURING PURPOSES

DRAWING PROJECTION		
	NAME	DATE
DRAWN	NG	02/21/2012
APPROVAL	PM	02/26/2012

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VALUES IN PARENTHESIS ARE CALCULATED AND MAY CONTAIN ROUNDOFF ERRORS

THORLABS
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15mm SQUARE, CYLINDRICAL ASPHERIC LENS, EFL =12.00mm, ARC 650-1050nm

MATERIAL	REV
S-LAH64	A

ITEM #	APPROX WEIGHT
AYL1512-B	2.8g