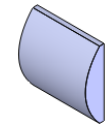
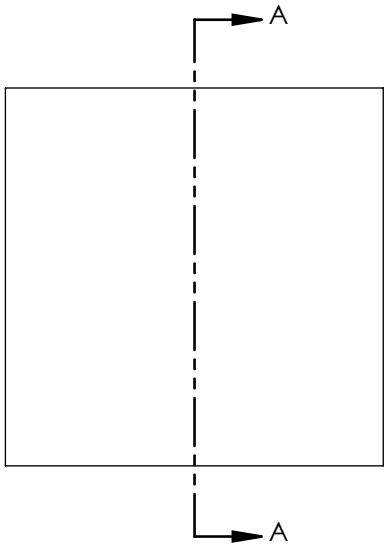
	R	k	A_4	A_6	A_8	A_{10}	A_{12}	A_{14}
S1	31.076	-1	1.4665926E-6	-1.0295617E-10	-1.4533162E-13	-3.0797158E-017	2.0313548E-20	5.5700818E-024
S2	-	-	-	-	-	-	-	-

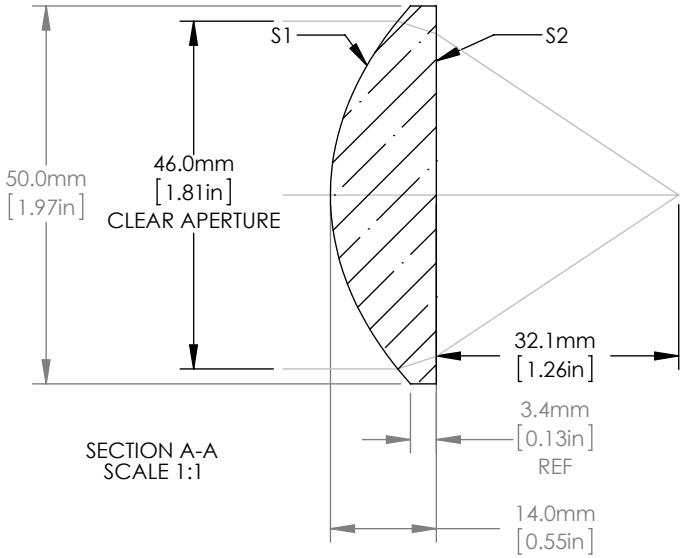
$$z = \frac{Y^2}{R\left(1+\sqrt{1-(1+k)Y^2/R^2}\right)} + A_4Y^4 + A_6Y^6 + A_8Y^8 + A_{10}Y^{10} + A_{12}Y^{12} + A_{14}Y^{14}$$

ASPHERIC LENS EQUATION



ISOMETRIC VIEW
1 : 4





SECTION A-A
SCALE 1:1

NOTES/SPECIFICATIONS:

1. REFRACTIVE INDEX AT DESIGN WAVELENGTH: 1.777
2. DESIGN WAVELENGTH: 780nm
3. FOCAL LENGTH: EFL = 40.00mm ± 1%
4. NUMERICAL APERTURE: 0.50
5. WORKING DISTANCE: 32.1mm
6. MAGNIFICATION: INFINITE
7. SURFACE QUALITY: 60-40 SCRATCH-DIG
8. RMS WFE: < 0.5 µm
9. CLEAR APERTURE (COLLIMATING): 46.0 X 46.0 mm
10. CLEAR APERTURE (FOCUSING): 46.0 X 42.7 mm
11. CENTER THICKNESS: 14.7 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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50mm SQUARE, CYLINDRICAL ASPHERIC LENS, EFL=40.00mm, ARC 650-1050nm

MATERIAL	REV
S-LAH64	A

ITEM #	APPROX WEIGHT
AYL5040-B	64.2g