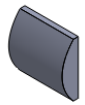
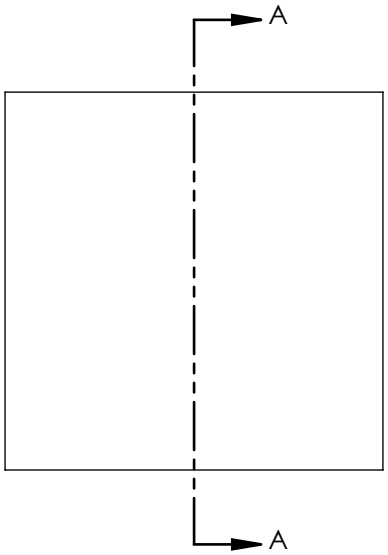
	R	k	A_4	A_6	A_8	A_{10}	A_{12}	A_{14}
S1	6.215	-1	0.00018680241	-2.8117704E-7	-1.1437438E-8	-6.5531277E-11	8.2269606E-13	1.0162473E-14
S2	-	-	-	-	-	-	-	-

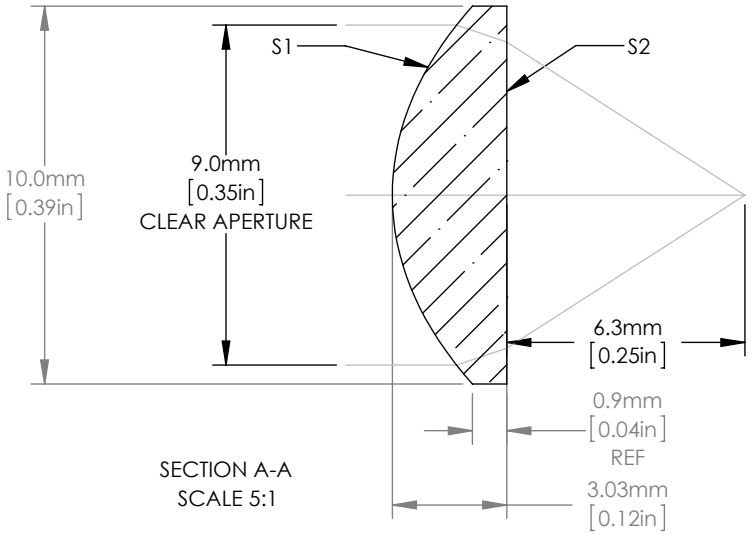
$$z = \frac{Y^2}{R(1+\sqrt{1-(1+k)Y^2/R^2})} + A_4Y^4 + A_6Y^6 + A_8Y^8 + A_{10}Y^{10} + A_{12}Y^{12} + A_{14}Y^{14}$$

ASPHERIC LENS EQUATION



ISOMETRIC VIEW
1 : 1





SECTION A-A
SCALE 5:1

NOTES/SPECIFICATIONS:

1. REFRACTIVE INDEX AT DESIGN WAVELENGTH: 1.777
2. DESIGN WAVELENGTH: 780nm
3. FOCAL LENGTH: EFL = 8.00mm ± 1%
4. NUMERICAL APERTURE: 0.49
5. WORKING DISTANCE: 6.3mm
6. MAGNIFICATION: INFINITE
7. SURFACE QUALITY: 60-40 SCRATCH-DIG
8. RMS WFE: < 0.5 µm
9. CLEAR APERTURE (COLLIMATING): 9.0 X 9.0 MM
10. CLEAR APERTURE (FOCUSING): 9.0 X 8.1 mm
11. CENTER THICKNESS: 3.03 mm
12. COATING(S1,S2): BBAR
    350-700nm; 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

VALUES IN PARENTHESIS ARE CALCULATED AND MAY CONTAIN ROUNDOFF ERRORS

THORLABS
www.thorlabs.com

10.00mm SQUARE, CYLINDRICAL ASPHERIC LENS, EFL = 8.00mm, ARC 350-700nm

MATERIAL	REV
S-LAH64	A

ITEM #	APPROX WEIGHT
AYL108-A	0.8 g