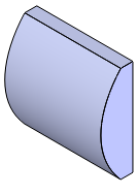
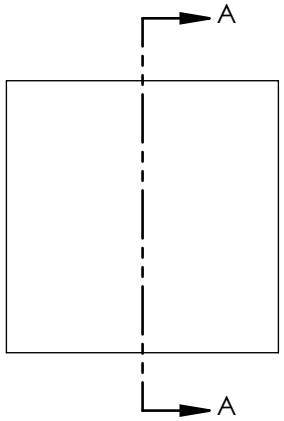
	R	k	A_4	A_6	A_8	A_{10}
S1	11.653	-0.541	-7.5260568E-6	-7.2065825E-8	-2.7040888E-10	-5.5002321E-13
S2	-	-	-	-	-	-

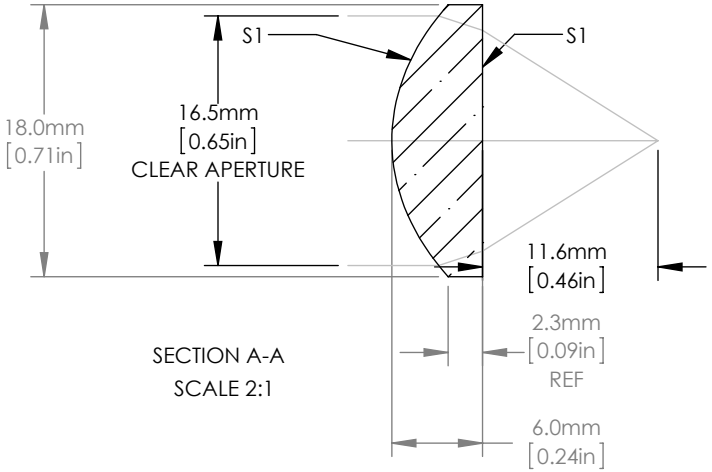


ISOMETRIC VIEW
1 : 1

$$z = \frac{Y^2}{R\left(1+\sqrt{1-(1+k)Y^2/R^2}\right)} + A_4 Y^4 + A_6 Y^6 + A_8 Y^8 + A_{10} Y^{10}$$

ASPHERIC LENS EQUATION





SECTION A-A
SCALE 2:1

NOTES/SPECIFICATIONS:

1. REFRACTIVE INDEX AT DESIGN WAVELENGTH: 1.777
2. DESIGN WAVELENGTH: 780nm
3. FOCAL LENGTH: EFL = 15.00mm ± 1%
4. NUMERICAL APERTURE: 0.48
5. WORKING DISTANCE: 11.6mm
6. MAGNIFICATION: INFINITE
7. SURFACE QUALITY: 60-40 SCRATCH-DIG
8. RMS WFE: < 0.5 µm
9. CLEAR APERTURE (COLLIMATING): 16.5 X 16.5 mm
10. CLEAR APERTURE (FOCUSING): 16.5 X 14.6 mm
11. CENTER THICKNESS: 6.0 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

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VALUES IN PARENTHESIS ARE CALCULATED AND MAY CONTAIN ROUNDOFF ERRORS

THORLABS
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18mm SQUARE, CYLINDRICAL ASPHERIC LENS, EFL=15.00mm, ARC 350-700nm

MATERIAL	REV
S-LAH64	A

ITEM #	APPROX WEIGHT
AYL1815-A	5.5g