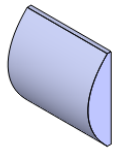
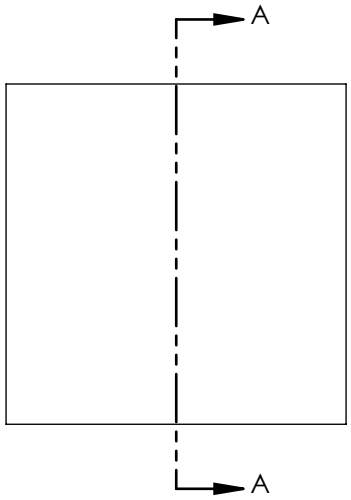
| | R | k | $A_4$ | $A_6$ | $A_8$ | $A_{10}$ | $A_{12}$ |
|---|---|---|---|---|---|---|---|
| S1 | 24.86 | -1 | 2.9712681E-6 | -2.3853122E-10 | -6.746461E-13 | -3.7931531E-16 | 3.8682268E-19 |
| S2 | - | - | - | - | - | - | - |

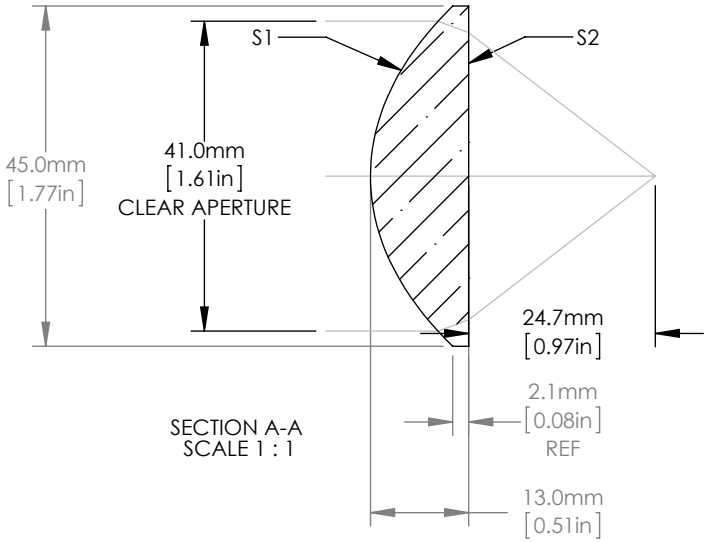


ISOMETRIC VIEW
1 : 3

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

ASPHERIC LENS EQUATION




SECTION A-A
SCALE 1 : 1

NOTES/SPECIFICATIONS:

1. REFRACTIVE INDEX AT DESIGN WAVELENGTH: 1.777
2. DESIGN WAVELENGTH: 780nm
3. FOCAL LENGTH: EFL = 32.00mm ± 1%
4. NUMERICAL APERTURE: 0.54
5. WORKING DISTANCE: 24.7mm
6. MAGNIFICATION: INFINITE
7. SURFACE QUALITY: 60-40 SCRATCH-DIG
8. RMS WFE: < 0.5 µm
9. CLEAR APERTURE (COLLIMATING): 41.0 X 41.0 mm
10. CLEAR APERTURE (FOCUSING): 41.0 X 38.0 mm
11. CENTER THICKNESS: 13.0 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
www.thorlabs.com

45mm SQUARE, CYLINDRICAL ASPHERIC LENS, EFL=32.00mm, ARC 350-700nm

| MATERIAL | REV |
|---|---|
| S-LAH64 | A |

| ITEM # | APPROX WEIGHT |
|---|---|
| AYL4532-A | 60.0g |