



Acylindrical Equation

$$Z(y) = \frac{c^2 y^2}{1 + \sqrt{1 - (k + 1)c^2 y^2}} + \sum_{i=2}^8 A_{2i} y^{2i}$$

| Acylindrical Coefficients | | |
|---------------------------|-------------|-------|
| | S1 | S2 |
| R | 0.6272 | Plano |
| c | 1.5943 | |
| k | -0.4500 | |
| A ₄ | 5.5297 E-2 | |
| A ₆ | -1.7170 E-1 | |
| A ₈ | 1.0069 E0 | |
| A ₁₀ | -2.2291 E0 | |

| Sagittal Distances of Acylindrical Surface | | |
|--|----------|----|
| Y (mm) | Z(mm) | |
| | S1 | S2 |
| 0.0 | 0.000000 | - |
| 0.33 | -0.09452 | - |
| 0.66 | -0.44697 | - |
| | | |
| | | |
| | | |
| | | |

SECTION A-A
SCALE 25 : 1

| S1 | | Material/Lens Data | | S2 | |
|---------------------|-----------------|---------------------------------|---------------|---------------------|-----------------|
| Radius of Curvature | 0.9875 mm | Glass Type | S-TIH53 | Radius of Curvature | Plano |
| Clear Aperture | 1.2 mm | n _d / V _d | 1.8466 / 23.8 | Clear Aperture | 0.6 mm |
| Irregularity | < λ/4 P-V | Focal length | 0.750 mm ± 3% | Irregularity | < λ/4 P-V |
| Centering | Tilt < 0.25° | Numerical Aperture | 0.80 | Centering | Tilt < 0.25° |
| Surface Quality | 40-20 | Design wavelength | 808 nm | Surface Quality | 40-20 |
| Coating | To be specified | | | Coating | To be specified |

Dimensions in mm
For Information Purposes Only

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