



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	0.2633	Plano
c	3.7979	
k	-0.4500	
A ₄	7.1192 E-1	
A ₆	-1.2143 E1	
A ₈	3.9117 E2	
A ₁₀	-4.7571 E3	

Sagittal Distances of Acylindrical Surface		
Y (mm)	Z(mm)	
	S1	S2
0.0	0.000000	-
0.1425	-0.04049	-
0.285	-0.19164	-

SECTION A-A
SCALE 80 : 1

S1		Material/Lens Data		S2	
Radius of Curvature	0.2633 mm	Glass Type	S-TIH53	Radius of Curvature	Plano
Clear Aperture	0.51 mm	n _d / V _d	1.8466 / 23.8	Clear Aperture	0.26 mm
Irregularity	< λ/4 P-V	Focal length	0.32 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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