

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	0.7406	Plano
c	1.3502	
k	-0.4500	
A ₄	1.5000 E-2	
A ₆	-7.5500 E-2	
A ₈	1.6200 E-1	
A ₁₀	-3.6800 E-1	


Sagittal Distances of Acylindrical Surface		
Y (mm)	Z(mm)	
	S1	S2
0.0	0.000000	-
0.4	-0.11289	-
0.8	-0.51467	-

S1		Material/Lens Data		S2	
Radius of Curvature	0.7406 mm	Glass Type	S-TIH53	Radius of Curvature	Plano
Clear Aperture	1.44 mm	n _d / V _d	1.8466 / 23.8	Clear Aperture	0.72 mm
Irregularity	< λ/4 P-V	Focal length	0.900 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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TITLE:
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