



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	0.2264	Plano
c	4.4169	
k	-0.4500	
A <sub>4</sub>	5.2570 E-1	
A <sub>6</sub>	-2.8337 E1	
A <sub>8</sub>	6.5117 E2	
A <sub>10</sub>	-1.5841 E4	

Sagittal Distances of Acylindrical Surface

Y (mm)	Z(mm)	
	S1	S2
0.0	0.000000	-
0.127	-0.03766	-
0.245	-0.15793	-

S1		Material/Lens Data		S2	
Radius of Curvature	0.2264 mm	Glass Type	S-TIH53	Radius of Curvature	Plano
Clear Aperture	0.44 mm	n <sub>d</sub> / V <sub>d</sub>	1.8466 / 23.8	Clear Aperture	0.22 mm
Irregularity	< λ/4 P-V	Focal length	0.275 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  
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