



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	7.4055	Plano
c	0.1350	
k	-0.4500	
A ₄	1.5000 E-5	
A ₆	-7.5500 E-7	
A ₈	1.6200 E-8	
A ₁₀	-3.6800 E-10	

Sagittal Distances of Acylindrical Surface

Y (mm)	Z(mm)	
	S1	S2
0.0	0.000000	-
2.0	-0.27302	-
4.0	-1.12890	-
6.0	-2.69084	-
8.0	-5.14678	-

All unspecified surfaces-fine ground

S1		Material/Lens Data		S2	
Radius of Curvature	7.4055 mm	Glass Type	S-TiH53	Radius of Curvature	Plano
Clear Aperture	12.5 mm	n _d / V _d	1.8466 / 23.8	Clear Aperture	8.0 mm
Irregularity	< 1 μm P-V	Focal length	9.00 mm ± 1%	Irregularity	λ/4 over CA
Centering	Tilt < 0.25°	Numerical Aperture	0.68	Centering	Tilt < 0.25°
Surface Quality	40-20	Design wavelength	808 nm	Surface Quality	40-20
Coating	None			Coating	None

Dimensions in mm
For Information Purposes Only

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