



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	0.4855	Plano
c	2.0597	
k	-0.4500	
A ₄	5.3233 E-2	
A ₆	-6.2340 E-1	
A ₈	3.1121 E0	
A ₁₀	-1.6448 E1	

Sagittal Distances of Acylindrical Surface		
Y (mm)	Z(mm)	
	S1	S2
0.0	0.000000	-
0.2625	-0.07416	-
0.5250	-0.33818	-

SECTION A-A
SCALE 40 : 1

S1		Material/Lens Data		S2	
Radius of Curvature	0.4855 mm	Glass Type	S-TIH53	Radius of Curvature	Plano
Clear Aperture	0.94 mm	n _d / V _d	1.8466 / 23.8	Clear Aperture	0.47 mm
Irregularity	< λ/4 P-V	Focal length	0.590 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

PROPRIETARY
THE INFORMATION CONTAINED IN THIS DRAWING
IS THE SOLE PROPERTY OF Doric Lenses Inc..
ANY REPRODUCTION IN PART OR AS A WHOLE
WITHOUT THE WRITTEN PERMISSION OF
Doric Lenses Inc. IS PROHIBITED.

DO NOT SCALE DRAWING

doric	doriclenses.com
TITLE: ACL_PCX_INF_S-TIH53_0.590(L)	
DWG. NO. D141-0362	