Dimensions & Electrical Specification

Part No.	Dimensions				Material	Rod Perm. (µ)	Cross sect. Area (mm²)
	O.D. (D)	Length (L)	Lead dia.	Lead lgth.			
43-016-31	4.00 ±0.15	20.00 ±1.00	0.80	25.40	F14	20	12.56
43-051-31	5.33 ±0.20	16.00 ±0.47	0.70	38.00	F14	11	22.30

Lead: Tin coated copper wire.

As with all rods the calculation of inductance is derived from experimental data. An approximate calculation is:

$$L = \frac{(A_r \times N^2 \times \mu_r)}{L_r \times 10^9} \times (2 - L_c / L_r)$$

where: L = Inductance (Henrys)
A_r = Cross-sectional Area of Rod (mm2)
L_c = Length of Coil
L_r = Length of Rod
μ_r = Rod permeability