

## Main coil

Layer	Diameter of coil former (m)	Diameter of wire (m)	3.14	Num of turns (pcs)	Extra len of wire (m)	Overall length of coil (m)	Length of layer (m)	Length of two layers (m)	Length of 3-6 layers (m)	thickness of foil layer (mm)	frequency 1/4 wave (мГц)
1	0.05	0.0034	3.14	65.84	0.35	46.19	11.20				1.6300
2	0.0568	0.0034	3.14	60.23			11.55	22.74			
3	0.0666	0.0034	3.14	32.03			7.14			0.003	
4	0.0764	0.0034	3.14	28.59			7.27				
5	0.0862	0.0034	3.14	15.10			4.31				
6	0.096	0.0034	3.14	12.45	0.44		3.94		22.65		

## Inductor ¼

Layer	Diameter of coil former (m)	Diameter of wire (m)	3.14	Num of turns (pcs)	Extra len of wire (m)	Overall length of coil (m)	Length of coil 1/4 (m)
	0.05	0.0034	3.14				
	0.057	0.0034	3.14				11.55
1	0.060	0.0035	3.14	31.98	0.19	12.75	6.05
2	0.071		3.14	29.25	-1.20		6.50

## Inductor ½

Layer	Diameter of coil former (m)	Diameter of wire (m)	3.14	Num of turns (pcs)	Extra len of wire (m)	Overall length of coil (m)	Length of Coil 1/2 (m)
	0.05	0.0034	3.14	0.00			
	0.057	0.0034	3.14	0.00			23.09
1	0.066	0.003	3.14	37.31	0.20		7.71
2	0.075		3.14	34.13			8.02
3	0.084		3.14	37.31	-2.65	25.74	9.82

Fields in red = data input