




Lowpass filter with Silver Mica capacitors and T50 Toroids

Band Wavelength	Band Frequency	-3dB Freq.	C1,C4 Value	C2,C3 Value	L1, L3 Value	L2 Value	Number of turns on toroids		Length of wire before being wound on toroids		Core Material
							L1,L3 Turns	L2 Turns	L1,L3 Length	L2 Length	L1,L2,L3
2190m	137kHz	200kHz	6.8n	27n	52uH	83uH	28	37	53cm / 20.8inches	68cm / 26.8inches	Amidon Material 61 (Ferrite)
630m	475kHz	66kHz	2,2n	8,2n	15uH	24uH	26	33	49cm / 19.4inches	61cm / 24.1inches	Amidon Material 67 (Ferrite)
160m	1.84MHz	2.76MHz	820pF	2.2nF	4.44uH	5.61uH	30	34	56cm / 22inches	63cm / 24.8inches	Amidon Material 2 
80m	3.39MHz	5.11MHz	470pF	1200pF	2.43uH	3.01uH	22	25	42cm / 16.7inches	47cm / 18.8inches	Amidon Material 6 
40m	7.04MHz	9MHz	270pF	680pF	1.38uH	1.7uH	17	18	34cm / 13.4inches	36cm / 14.1inches	Amidon Material 6 
30m	10.4MHz	11.6MHz	270pF	560pF	1.09uH	1.26uH	15	16	30cm / 12inches	32cm / 12.7inches	Amidon Material 6 
20m	14.1MHz	16.4MHz	180pf	390pF	773nH	904nH	12	13	25cm / 10inches	27cm / 10.7inches	Amidon Material 6 
17m	18.1MHz	23MHz	120pF	270pF	548nH	668nH	10	11	22cm / 8.7inches	24cm / 9.4inches	Amidon Material 6 
15m	21.1MHz	27.6MHz	82pF	220pF	444nH	561nH	9	10	20cm / 8inches	22cm / 8.7inches	Amidon Material 6 
12m	24.9MHz	29MHz	100pF	220pF	438nH	515nH	9	10	20cm / 8inches	22cm / 8.7inches	Amidon Material 6 
10m	28.1MHz	40.5MHz	56pF	150pF	303nH	382nH	8	9	19cm / 7.4inches	20cm / 8inches	Amidon Material 6 
6m	50.3MHz	62MHz	36pF	100pF	197nH	248nH	8	9	19cm / 7.4inches	20cm / 8inches	Amidon Material 10 
4m	70MHz	82MHz	27pF	75pF	149nH	187nH	9	10	20cm / 8inches	22cm / 8.7inches	Amidon Material 17 