

Lowpass filter with SMD capacitors and T37 Toroids Ver.2

Band Wavelength	Band Frequency	-3dB Freq.	C1,C4 Value	C2,C3 Value	L1, L3 Value	L2 Value	Number of turns on toroids		Lenght of wire before being wound		Core Material
							L1,L3 Turns	L2 Turns	L1,L3 Wire cm - inch	L2 Wire cm Wire inch	
2190m	137kHz	178kHz	33n	47n	56uH	60uH	32	33	46cm / 18inch	47cm / 18.5inch	Amidon Material 61 (Ferrite)
630m	475kHz	620kHz	9.1n	15n	16uH	17uH	28	29	41cm / 16.1inch	42cm / 16.6inch	Amidon Material 67 (Ferrite)
160m	1.84MHz	2.76MHz	820pF	2.2nF	4.44uH	5.61uH	33	37	47cm / 18.5inch	52cm / 20,5inch	Amidon Material 2
80m	3.39MHz	5.11MHz	470pF	1200pF	2.43uH	3.01uH	28	32	40cm / 16inch	45cm / 18inch	Amidon Material 6
40m	7.04MHz	9MHz	270pF	680pF	1.38uH	1.7uH	21	24	32cm / 12,5inch	35cm / 14inch	Amidon Material 6
30m	10.4MHz	11.6MHz	270pF	560pF	1.09uH	1.26uH	19	20	29cm / 11.5inch	30cm / 12inch	Amidon Material 6
20m	14.1MHz	16.4MHz	180pf	390pF	773nH	904nH	16	17	25cm / 10inch	26cm / 10.5inch	Amidon Material 6
17m	18.1MHz	23MHz	120pF	270pF	548nH	668nH	13	15	21cm / 8.5inch	24cm / 9.5inch	Amidon Material 6
15m	21.1MHz	27.6MHz	100pF	270pF	444nH	561nH	12	13	20cm / 8inch	21cm / 8.5inch	Amidon Material 6
12m	24.9MHz	29MHz	100pF	220pF	438nH	515nH	12	13	20cm / 8inch	21cm / 8.5inch	Amidon Material 6
10m	28.1MHz	40.5MHz	75pF	180pF	303nH	382nH	10	11	18cm / 7inch	19cm / 7.5inch	Amidon Material 6
6m	50.3MHz	62MHz	36pF	100pF	197nH	248nH	9	10	16cm / 6.5inch	18cm / 7inch	Amidon Material 10
4m	70MHz	82MHz	27pF	75pF	149nH	187nH	10	11	18cm / 7inch	19cm / 7.5inch	Amidon Material 17

