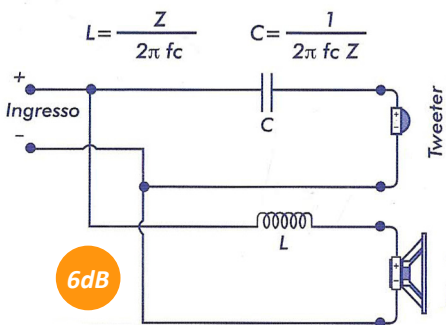


6dB

12dB

Taglio di Frequenza	4Ω		8Ω		Taglio di Frequenza	4Ω		8Ω	
	Induttanza L mh	Condens. C µF	Induttanza L mh	Condens. C µF		Induttanza L mh	Condens. C µF	Induttanza L mh	Condens. C µF
50	12.73	795.77	25.46	397.89	50	18.01	562.70	36.01	281.35
100	6.37	397.89	12.73	198.94	100	9.00	281.35	18.01	140.67
150	4.24	265.26	8.49	132.63	150	6.00	187.57	12.00	93.78
200	3.18	198.94	6.37	99.47	200	4.50	140.67	9.00	70.34
250	2.55	159.15	5.09	79.58	250	3.60	112.54	7.20	56.27
300	2.12	132.63	4.24	66.31	300	3.00	93.78	6.00	46.89
350	1.82	113.68	3.64	56.84	350	2.57	8b.39	5.14	40.19
400	1.59	99.47	3.18	49.74	400	2.25	70.34	4.50	35.17
450	1.41	88.42	2.83	44.21	450	2.00	62.52	4.00	31.26
500	1.27	79.58	2.55	39.79	500	1.80	56.27	3.60	28.13
550	1.16	72.34	2.31	36.17	550	1.64	51.15	3.27	25.58
600	1.06	66.31	2.12	33.16	600	1.50	46.89	3.00	23.45
650	0.98	61.21	1.96	30.61	650	1.39	43.28	2.77	21.64
700	0.91	56.84	1.82	28.42	700	1.29	40.19	2.57	20.10
750	0.85	53.05	1.70	26.53	750	1.20	37.51	2.40	18.76
800	0.80	49.74	1.59	24.87	800	1.13	35.17	2.25	17.58
850	0.75	46.81	1.50	23.41	850	1.06	33.10	2.12	16.55
900	0.71	44.21	1.41	22.10	900	1.00	31.26	2.00	15.63
1000	0.64	39.79	1.27	19.89	1000	0.90	28.13	1.80	14.07
1200	0.53	33.16	1.06	16.58	1200	0.75	23.45	1.50	11.72
1500	0.42	26.53	0.85	13.26	1500	0.60	18.76	1.20	9.38
1750	0.36	22.74	0.73	11.37	1750	0.51	16.08	1.03	8.04
2000	0.32	19.89	0.64	9.95	2000	0.45	14.07	0.90	7.03
2250	0.28	17.68	0.57	8.84	2250	0.40	12.50	0.80	6.25
2500	0.25	15.92	0.51	7.96	2500	0.36	11.25	0.72	5.63
2750	0.23	14.47	0.46	7.23	2750	0.33	10.23	0.65	5.12
3000	0.21	13.26	0.42	6.63	3000	0.30	9.38	0.60	4.69
3250	0.20	12.24	0.39	6.12	3250	0.28	8.66	0.55	4.33
3500	0.18	11.37	0.36	5.68	3500	0.26	8.04	0.51	4.02
3750	0.17	10.61	0.34	5.31	3750	0.24	7.50	0.48	3.75
4000	0.16	9.95	0.32	4.97	4000	0.23	7.03	0.45	3.52
4500	0.14	8.84	0.28	4.42	4500	0.20	6.25	0.40	3.13
5000	0.13	7.96	0.25	3.98	5000	0.18	5.63	0.37	2.81
6000	0.11	6.63	0.21	3.32	6000	0.15	4.69	0.30	2.34
7000	0.09	5.68	0.18	2.84	7000	0.13	4.02	0.26	2.01
8000	0.08	4.97	0.16	2.49	8000	0.11	3.52	0.23	1.76
9000	0.07	4.42	0.14	2.21	9000	0.10	3.13	0.20	1.56
10000	0.06	3.98	0.13	1.99	10000	0.09	2.81	0.18	1.41
12000	0.05	3.32	0.11	1.66	12000	0.08	2.34	0.15	1.17
15000	0.04	2.65	0.08	1.33	15000	0.06	1.88	0.12	0.94
20000	0.03	1.99	0.06	0.99	20000	0.05	1.41	0.09	0.70

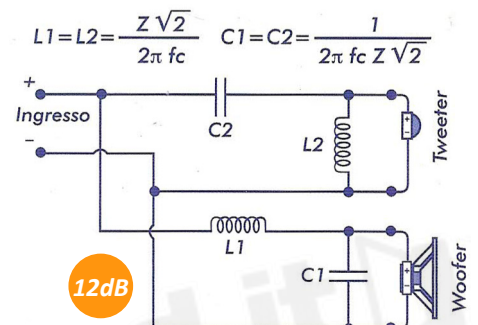


**FC** è la frequenza di taglio del filtro prescelta.

**Z** è l'impedenza in Ohm dell'altoparlante.

**C** è il condensatore in Farad (moltiplicare poi risultato per 1.000.000, per ottenere il valore in µF).

**L** è l'induttore in Henry (moltiplicare poi il risultato per 1.000 per ottenere il valore in mH).



### Calcolo di un filtro del 3° ordine 18dB/oct.

$$L1 = \frac{3Z}{4\pi fc} \quad L2 = \frac{Z}{4\pi fc} \quad L3 = \frac{3Z}{8\pi fc}$$

$$C1 = \frac{2}{3\pi fc Z} \quad C2 = \frac{1}{3\pi fc Z} \quad C3 = \frac{1}{\pi fc Z}$$

