

# Coaxial Low Pass Filter

# VLF-105

## Typical Performance Data

FREQ. (MHz)	INSERTION LOSS (dB)			INPUT RETURN LOSS (dB)			OUTPUT RETURNLOSS (dB)		
	@ -55° C	@ +25° C	@ +100° C	@ -55° C	@ +25° C	@ +100° C	@ -55° C	@ +25° C	@ +100° C
1	0.12	0.17	0.22	33.64	34.14	32.64	35.9	34.14	32.91
20	0.27	0.32	0.37	27.64	26.08	24.76	26.04	25.20	24.11
30	0.31	0.36	0.41	29.75	27.19	25.75	27.34	26.00	24.99
40	0.35	0.40	0.46	30.69	27.87	26.34	27.98	26.53	25.57
50	0.39	0.45	0.52	30.73	28.16	26.53	27.26	26.01	25.12
60	0.43	0.49	0.56	30.55	28.29	26.57	26.67	25.66	24.79
70	0.48	0.54	0.62	30.48	28.44	26.65	26.10	25.31	24.49
80	0.53	0.60	0.68	30.48	28.38	26.62	25.83	25.10	24.32
90	0.59	0.66	0.75	30.70	28.28	26.59	25.71	24.90	24.17
100	0.66	0.74	0.83	30.16	27.63	26.15	25.52	24.57	23.87
105	0.70	0.78	0.88	29.28	26.96	25.66	25.29	24.31	23.62
125	0.89	0.99	1.10	23.19	22.50	22.05	22.29	21.75	21.31
180	3.01	3.10	3.23	9.41	10.04	10.52	7.44	7.72	7.96
195	5.13	5.16	5.27	7.32	8.02	8.57	4.54	4.80	5.04
215	10.76	10.57	10.56	5.68	6.38	6.95	2.18	2.38	2.57
225	15.27	14.88	14.76	5.03	5.68	6.24	1.59	1.77	1.93
235	21.13	20.47	20.18	4.36	4.96	5.47	1.29	1.43	1.58
250	32.72	31.56	30.95	3.50	4.01	4.44	1.08	1.21	1.33
255	37.44	36.13	35.42	3.28	3.76	4.17	1.04	1.17	1.28
265	47.59	47.01	46.49	2.91	3.36	3.72	0.99	1.11	1.22
270	49.05	50.66	51.87	2.77	3.19	3.55	0.97	1.08	1.19
300	38.03	38.53	38.90	2.18	2.52	2.82	0.87	0.98	1.08
330	35.86	35.99	36.13	1.79	2.07	2.31	0.80	0.90	1.00
400	43.05	42.57	42.33	1.12	1.29	1.46	0.68	0.77	0.85
455	57.12	57.70	57.10	0.78	0.90	1.03	0.60	0.68	0.76
500	47.05	47.65	48.05	0.59	0.69	0.80	0.54	0.61	0.69
585	44.29	44.42	44.54	0.39	0.45	0.53	0.45	0.52	0.58
700	47.58	47.38	47.27	0.27	0.31	0.37	0.35	0.41	0.48
800	54.31	53.50	53.10	0.22	0.26	0.30	0.30	0.36	0.42
890	67.14	64.19	62.47	0.20	0.23	0.28	0.25	0.30	0.36
1000	65.52	68.04	70.18	0.19	0.21	0.26	0.23	0.27	0.33
1650	44.42	44.82	44.87	0.16	0.21	0.28	0.23	0.26	0.30
2000	35.39	35.61	35.79	0.14	0.21	0.30	0.15	0.20	0.24
3000	27.05	27.57	27.83	0.56	0.75	0.78	0.16	0.22	0.27
4750	22.07	22.50	22.91	0.08	0.24	0.48	1.14	1.50	1.92
5000	21.16	21.30	21.55	0.19	0.33	0.57	0.86	0.94	1.04
7000	17.04	17.12	17.17	0.71	0.78	0.88	1.08	1.12	1.21
9000	22.40	21.56	21.30	11.63	9.03	7.68	2.10	1.93	1.87
11000	26.63	26.12	26.07	10.83	12.39	14.35	6.32	6.37	6.83
13000	19.04	16.76	16.04	5.03	4.86	5.01	13.87	10.81	7.89
15000	10.79	11.03	11.52	4.26	3.75	3.92	2.02	2.19	2.43

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