

Coaxial Low Pass Filter

VLF-400+

Typical Performance Data

FREQ. (MHz)	INSERTION LOSS (dB)			INPUT RETURN LOSS (dB)			OUTPUT RETURN LOSS (dB)		
	@ -55° C	@ +25° C	@ +100° C	@ -55° C	@ +25° C	@ +100° C	@ -55° C	@ +25° C	@ +100° C
50	0.14	0.17	0.20	31.43	30.24	29.51	30.13	28.95	28.32
100	0.22	0.26	0.29	30.27	29.70	29.58	27.66	26.85	26.44
120	0.23	0.27	0.31	29.82	29.83	30.13	26.77	26.19	25.98
130	0.25	0.29	0.34	29.79	30.10	30.59	26.04	25.69	25.55
140	0.25	0.30	0.34	29.18	29.73	30.47	25.61	25.39	25.34
150	0.27	0.32	0.36	28.82	29.60	30.72	25.04	24.92	24.92
160	0.28	0.31	0.35	28.68	29.73	31.17	24.72	24.65	24.76
170	0.28	0.34	0.37	28.60	29.94	31.71	24.22	24.24	24.38
180	0.29	0.33	0.39	28.57	30.17	32.21	24.00	24.13	24.28
190	0.31	0.38	0.41	28.31	30.12	32.47	23.79	23.94	24.16
200	0.33	0.39	0.44	28.01	29.92	32.40	23.48	23.65	23.88
220	0.34	0.41	0.45	27.71	29.72	32.37	23.02	23.26	23.49
230	0.35	0.41	0.46	27.71	29.79	32.43	22.87	23.06	23.31
260	0.39	0.48	0.54	27.27	28.99	31.09	22.54	22.61	22.79
300	0.43	0.53	0.61	26.81	27.95	29.15	22.33	22.22	22.23
320	0.48	0.57	0.65	26.67	27.53	28.43	22.61	22.43	22.36
330	0.50	0.58	0.69	26.67	27.43	28.24	22.73	22.51	22.41
360	0.54	0.65	0.75	26.48	27.17	27.80	23.05	22.82	22.59
400	0.63	0.77	0.90	25.97	26.50	26.62	23.09	22.86	22.41
420	0.70	0.86	1.00	24.85	25.01	24.74	22.53	22.21	21.63
430	0.74	0.88	1.05	24.08	24.02	23.59	22.13	21.75	21.11
460	0.88	1.08	1.26	20.34	19.88	19.26	19.53	19.01	18.37
500	1.24	1.50	1.75	15.01	14.50	13.99	15.26	14.92	14.51
520	1.51	1.84	2.16	12.76	12.36	11.90	13.58	13.45	13.27
530	1.69	2.05	2.39	11.75	11.38	10.97	12.93	12.95	12.95
560	2.47	2.96	3.49	9.21	8.86	8.52	12.45	13.27	14.25
600	5.78	7.15	8.56	4.65	4.25	3.90	9.94	9.71	9.15
620	10.67	12.64	14.55	2.42	2.36	2.29	5.17	5.09	4.95
650	22.57	25.07	27.46	1.19	1.33	1.41	2.48	2.69	2.81
660	27.58	30.27	32.81	1.04	1.18	1.29	2.11	2.32	2.47
680	39.99	41.56	41.87	0.87	1.02	1.12	1.67	1.89	2.06
700	42.80	42.18	41.99	0.74	0.89	1.00	1.43	1.65	1.82
800	45.78	44.83	44.08	0.47	0.59	0.68	0.95	1.14	1.29
900	40.24	40.36	40.49	0.38	0.48	0.57	0.71	0.87	1.00
1000	43.01	43.47	43.84	0.29	0.40	0.47	0.57	0.69	0.81
1500	57.26	57.49	57.77	0.17	0.27	0.35	0.25	0.34	0.40
2000	63.14	62.72	62.58	0.12	0.20	0.29	0.15	0.20	0.24
2500	47.75	47.49	47.24	0.14	0.22	0.30	0.12	0.18	0.22
3000	39.18	39.04	38.79	0.13	0.23	0.29	0.11	0.18	0.24
3500	34.21	34.18	34.06	0.13	0.24	0.30	0.05	0.13	0.23
4000	32.41	32.74	33.06	0.10	0.24	0.34	0.05	0.15	0.28
4500	24.14	24.40	24.62	0.11	0.27	0.40	0.10	0.22	0.39
5000	23.55	23.54	23.58	0.11	0.26	0.42	0.11	0.28	0.47
5500	22.17	22.19	22.28	0.14	0.31	0.49	0.14	0.31	0.52
6000	20.21	20.27	20.48	0.23	0.44	0.61	0.19	0.37	0.58
6500	19.92	20.86	20.74	0.72	0.84	1.04	0.49	0.60	0.81
7000	20.33	20.40	20.72	0.69	1.14	1.62	0.26	0.41	0.59
7500	19.18	19.15	19.20	0.43	0.60	0.76	0.25	0.37	0.54
8000	17.90	17.98	18.07	0.31	0.48	0.62	0.26	0.40	0.52
8500	16.88	17.06	17.20	0.30	0.47	0.60	0.30	0.42	0.52
9000	16.04	16.18	16.26	0.33	0.53	0.67	0.36	0.50	0.63
9500	15.44	15.43	15.38	0.42	0.70	0.92	0.43	0.65	0.87
10000	14.86	14.85	14.84	0.68	1.05	1.38	0.63	0.95	1.31
15000	7.01	7.01	7.03	5.03	7.20	10.13	3.07	3.57	4.11

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