

Coaxial Low Pass Filter

VLF-80+

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	0.17	0.22	0.32	33.75	32.26	30.75	34.02	32.26	30.84
20	0.28	0.35	0.41	29.81	27.72	26.11	30.01	28.04	26.61
25	0.29	0.35	0.42	30.06	28.21	26.50	30.26	28.61	26.94
30	0.35	0.42	0.48	27.71	27.04	25.80	28.11	27.65	26.37
35	0.37	0.44	0.50	26.69	26.46	25.51	27.38	27.48	26.41
40	0.41	0.48	0.55	25.64	25.83	25.12	26.26	26.80	26.15
45	0.43	0.51	0.58	24.87	25.25	24.78	25.85	26.65	26.17
50	0.46	0.54	0.62	24.18	24.70	24.41	25.27	26.16	25.92
60	0.53	0.62	0.69	23.46	24.00	23.90	24.46	25.34	25.40
70	0.61	0.70	0.78	23.24	23.58	23.46	24.54	25.29	25.41
80	0.69	0.80	0.89	23.75	23.71	23.41	25.52	25.84	25.74
95	0.84	0.97	1.07	25.07	24.27	23.58	28.64	27.61	26.85
145	2.85	3.00	3.14	8.78	9.28	9.69	8.35	8.86	9.31
165	5.54	5.77	6.00	8.74	8.47	8.35	6.14	6.23	6.35
180	17.12	15.65	14.91	4.91	5.97	6.69	2.92	3.49	3.92
185	24.97	22.74	21.39	3.25	3.93	4.47	2.08	2.49	2.84
190	31.17	29.28	27.83	2.54	3.01	3.40	1.69	1.99	2.26
195	32.76	32.08	31.38	2.17	2.55	2.86	1.47	1.73	1.95
200	33.70	33.16	32.76	1.96	2.28	2.54	1.34	1.56	1.76
215	41.70	40.09	39.13	1.62	1.89	2.10	1.12	1.30	1.47
225	44.77	44.32	43.66	1.50	1.75	1.95	1.04	1.21	1.36
230	42.59	42.92	42.87	1.45	1.70	1.88	1.00	1.17	1.32
265	38.13	37.98	37.90	1.18	1.39	1.52	0.83	0.98	1.16
290	41.12	40.60	40.28	1.01	1.18	1.36	0.76	0.91	1.01
310	46.16	45.10	44.44	0.91	1.07	1.22	0.72	0.86	0.98
345	55.34	56.31	56.39	0.74	0.86	0.97	0.60	0.73	0.86
400	44.15	44.49	44.77	0.54	0.62	0.70	0.54	0.65	0.75
550	48.85	48.24	47.86	0.28	0.33	0.37	0.35	0.43	0.51
650	63.86	66.51	65.72	0.24	0.28	0.31	0.27	0.34	0.41
800	47.45	48.21	48.77	0.19	0.23	0.26	0.21	0.27	0.34
1550	40.69	43.24	45.18	0.20	0.23	0.25	0.34	0.36	0.38
2000	34.21	34.49	34.62	0.20	0.22	0.25	0.25	0.27	0.32
2500	28.42	28.79	29.10	0.14	0.21	0.28	0.60	0.70	0.87
3000	36.81	33.91	31.47	0.22	0.28	0.37	6.65	10.95	11.72
3500	26.00	26.24	26.40	0.11	0.18	0.29	0.31	0.44	0.57
4000	23.91	24.01	24.02	0.13	0.22	0.35	0.19	0.30	0.42
4500	22.43	22.48	22.62	0.17	0.26	0.40	0.27	0.39	0.50
5000	20.89	21.11	21.38	0.31	0.50	0.71	0.17	0.31	0.49
5500	19.90	19.85	20.00	0.27	0.40	0.57	0.48	0.53	0.63
6000	18.74	19.18	19.45	0.67	0.75	0.81	0.33	0.50	0.71
8000	11.84	12.56	12.99	4.83	5.02	5.53	2.61	1.52	1.31
10000	9.10	9.09	9.32	3.57	4.11	5.02	5.33	4.47	4.20
12000	12.09	12.92	14.40	6.11	8.00	9.87	2.53	3.62	5.26

REV. X1
VLF-80+
080720
Page 1 of 1



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