

Coaxial Low Pass Filter

VLF-800+

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	0.07	0.10	0.10	40.44	37.97	36.40	41.12	38.00	36.50
100	0.09	0.13	0.13	40.23	38.47	37.41	37.08	35.21	33.88
104	0.12	0.16	0.19	40.38	38.82	37.59	36.83	34.90	33.70
106	0.13	0.17	0.18	40.18	38.62	37.67	37.13	35.25	34.02
108	0.11	0.14	0.17	40.38	38.92	37.83	36.65	34.88	33.70
110	0.11	0.14	0.17	40.14	38.61	37.58	35.89	34.26	33.21
114	0.12	0.14	0.15	40.83	39.53	38.60	36.06	34.30	33.31
116	0.12	0.15	0.18	41.06	39.42	38.69	35.68	34.16	33.02
120	0.10	0.14	0.17	40.68	39.44	38.69	35.67	34.08	33.01
124	0.12	0.15	0.16	42.24	40.72	39.83	35.76	34.26	33.19
126	0.12	0.15	0.16	41.23	39.88	39.20	35.94	34.35	33.39
130	0.13	0.17	0.18	40.29	39.19	38.58	35.13	33.80	32.82
134	0.12	0.16	0.18	40.59	39.49	39.09	35.26	33.92	32.96
136	0.12	0.15	0.18	41.00	40.03	39.57	35.05	33.72	32.93
140	0.12	0.17	0.19	40.74	39.63	39.47	34.74	33.37	32.54
144	0.13	0.16	0.19	40.77	39.98	39.62	34.65	33.40	32.57
146	0.15	0.18	0.20	40.58	39.54	39.48	34.38	33.20	32.44
150	0.14	0.16	0.18	40.91	40.12	40.04	34.29	33.11	32.30
154	0.13	0.17	0.21	41.07	40.26	40.30	34.00	32.89	32.16
156	0.13	0.17	0.18	40.17	39.64	39.72	33.64	32.63	31.99
160	0.14	0.17	0.20	41.01	40.71	40.60	33.87	32.88	32.19
170	0.15	0.18	0.21	41.61	41.23	41.11	33.29	32.38	31.81
180	0.14	0.19	0.21	42.29	42.51	42.34	32.49	31.81	31.18
190	0.16	0.18	0.21	42.75	43.30	42.83	31.93	31.40	30.86
200	0.14	0.18	0.20	43.05	44.50	43.21	32.14	31.65	31.11
300	0.18	0.25	0.29	40.96	54.63	41.40	28.34	28.02	27.69
400	0.24	0.31	0.38	37.52	39.01	37.53	26.82	26.03	25.45
500	0.30	0.36	0.44	33.33	33.71	33.28	26.54	25.79	25.19
600	0.34	0.44	0.52	34.81	36.91	37.85	27.46	27.23	27.00
700	0.44	0.55	0.65	38.09	38.55	36.25	31.55	32.06	31.93
800	0.58	0.74	0.87	25.64	24.97	24.22	25.57	25.09	24.42
900	0.87	1.07	1.28	19.17	18.89	18.62	19.18	18.99	18.85
1000	1.39	1.75	2.09	17.77	17.30	16.84	20.76	21.59	22.78
1100	4.19	5.45	6.76	7.21	6.29	5.56	10.19	9.46	8.83
1120	6.07	7.70	9.33	4.78	4.25	3.83	7.26	6.95	6.70
1150	10.30	12.35	14.33	2.60	2.49	2.41	4.73	4.84	4.95
1170	13.80	16.00	18.05	1.86	1.88	1.90	3.83	4.08	4.28
1200	19.47	21.66	23.64	1.28	1.42	1.50	3.02	3.33	3.57
1275	30.33	31.40	32.22	0.78	0.93	1.04	1.91	2.18	2.36
1350	34.09	34.65	35.17	0.61	0.76	0.87	1.23	1.42	1.58
1500	44.60	46.37	48.27	0.43	0.58	0.67	0.64	0.76	0.86
2000	36.66	36.79	36.94	0.25	0.39	0.48	0.19	0.28	0.32
2500	40.75	41.09	41.33	0.22	0.35	0.43	0.13	0.21	0.25
3000	45.67	45.85	46.04	0.22	0.37	0.44	0.12	0.20	0.26
3500	45.27	45.23	45.28	0.21	0.35	0.43	0.11	0.18	0.26
4000	42.44	42.45	42.63	0.16	0.33	0.42	0.06	0.18	0.27
4500	43.28	43.87	44.45	0.13	0.33	0.45	0.09	0.21	0.33
4850	49.63	45.89	43.09	0.12	0.32	0.47	0.14	0.27	0.41
5000	36.32	34.39	32.55	0.15	0.34	0.49	0.16	0.35	0.53
5100	30.21	28.41	26.65	0.17	0.38	0.55	0.26	0.49	0.72
5500	11.30	13.12	14.52	0.86	0.81	0.83	3.05	2.01	1.61
6000	19.43	19.84	20.15	0.20	0.42	0.55	0.26	0.45	0.61
6500	22.24	21.82	21.30	0.18	0.40	0.54	3.79	3.43	2.04
7000	20.34	20.50	20.59	0.17	0.39	0.53	0.23	0.41	0.55

REV. X2

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