

Coaxial Low Pass Filter

VLF-120+

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	0.13	0.22	33.64	34.14	32.64	35.90	34.14	32.91
20	0.24	0.29	0.33	29.30	27.52	26.23	27.51	26.49	25.51
50	0.37	0.42	0.48	29.03	28.61	27.56	27.72	27.29	26.63
51	0.38	0.43	0.49	28.90	28.55	27.53	27.68	27.28	26.62
60	0.41	0.47	0.53	27.75	27.94	27.30	26.62	26.54	26.18
80	0.50	0.57	0.63	25.89	26.63	26.59	24.78	25.10	25.19
90	0.56	0.62	0.69	25.59	26.41	26.53	24.41	24.81	25.00
100	0.62	0.68	0.76	25.64	26.49	26.68	24.33	24.72	24.94
110	0.69	0.76	0.84	26.13	26.88	27.05	24.64	24.98	25.17
120	0.76	0.84	0.92	27.13	27.65	27.67	25.54	25.74	25.83
140	0.92	1.02	1.12	28.92	28.43	27.95	30.13	29.45	28.80
150	1.03	1.14	1.25	26.63	26.28	25.98	30.05	29.28	28.49
180	1.78	1.91	2.04	15.24	15.80	16.25	14.28	14.58	14.85
190	2.37	2.49	2.63	12.14	12.77	13.30	10.64	10.95	11.24
195	2.79	2.90	3.04	10.75	11.40	11.95	9.06	9.37	9.66
200	3.33	3.43	3.57	9.48	10.15	10.70	7.64	7.95	8.23
240	14.24	14.01	13.94	4.20	4.67	5.11	1.81	1.98	2.15
250	19.23	18.83	18.64	3.88	4.30	4.71	1.45	1.59	1.74
260	25.48	24.83	24.47	3.69	4.09	4.48	1.25	1.38	1.51
270	33.55	32.46	31.78	3.57	3.97	4.34	1.13	1.25	1.37
280	42.44	41.01	39.96	3.47	3.87	4.25	1.06	1.17	1.28
285	44.27	43.29	42.43	3.41	3.82	4.21	1.03	1.13	1.24
290	44.74	43.98	43.36	3.35	3.76	4.15	1.00	1.11	1.21
300	47.25	46.04	45.23	3.21	3.62	4.02	0.96	1.06	1.16
400	43.30	43.01	42.87	1.50	1.70	1.90	0.71	0.79	0.87
500	46.07	46.50	46.81	0.70	0.81	0.91	0.57	0.64	0.71
800	50.66	50.18	49.79	0.23	0.26	0.31	0.31	0.36	0.42
1000	74.53	75.07	73.04	0.18	0.21	0.25	0.23	0.27	0.33
1050	67.65	70.20	72.52	0.19	0.22	0.26	0.22	0.26	0.31
1200	71.23	72.75	74.50	0.17	0.21	0.25	0.19	0.23	0.28
1400	55.85	56.28	56.56	0.17	0.22	0.26	0.16	0.20	0.25
1500	50.38	50.78	50.98	0.16	0.20	0.26	0.16	0.20	0.24
1800	41.92	42.17	42.30	0.16	0.21	0.28	0.18	0.21	0.25
1850	39.88	40.40	40.77	0.15	0.21	0.28	0.19	0.22	0.26
2000	37.31	37.51	37.68	0.15	0.22	0.29	0.15	0.19	0.22
2050	37.29	37.26	37.27	0.16	0.23	0.31	0.16	0.19	0.22
2200	35.99	36.14	36.21	0.13	0.21	0.30	0.16	0.19	0.23
2400	35.54	35.41	35.21	0.14	0.22	0.32	0.25	0.26	0.29
2800	30.28	30.48	30.48	0.16	0.25	0.34	0.41	0.44	0.44
3000	28.38	28.63	28.94	0.47	0.46	0.50	0.35	0.37	0.34
3050	27.79	28.09	28.71	0.70	0.78	0.76	0.40	0.42	0.39
3500	24.43	24.52	24.46	0.19	0.30	0.46	0.23	0.30	0.41
4000	23.18	23.29	23.31	0.09	0.21	0.37	0.30	0.36	0.44
4050	23.04	23.15	23.19	0.07	0.19	0.35	0.34	0.40	0.48
4100	22.98	23.09	23.15	0.13	0.25	0.42	0.35	0.42	0.50
4200	22.65	22.78	22.85	0.09	0.21	0.38	0.52	0.56	0.62
4400	22.56	22.60	22.65	0.08	0.21	0.40	1.65	1.47	1.39
4500	23.05	22.96	22.92	0.11	0.25	0.44	3.70	3.26	2.89
4750	21.87	22.25	22.63	0.15	0.28	0.47	1.21	1.46	1.80
5000	21.15	21.21	21.36	0.75	0.87	0.95	0.84	0.85	0.93
9000	15.37	15.76	16.35	5.17	5.02	5.35	1.93	1.88	1.95
10000	15.48	15.22	15.58	4.85	5.09	5.69	5.95	5.49	5.23
12000	15.73	16.64	18.88	3.93	3.84	3.70	4.08	4.69	4.91
14000	20.35	20.79	19.41	18.03	12.28	6.92	4.96	6.55	9.46
15000	12.76	13.42	14.23	2.74	2.75	3.18	2.94	3.09	3.18

REV. X1
VLF-120+
080429



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