

Coaxial Low Pass Filter

VLF-3800+

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
40	0.01	0.01	0.01	41.00	36.61	34.00	41.00	36.61	34.10
50	0.02	0.03	0.03	38.50	34.08	31.56	38.13	33.73	31.29
250	0.04	0.08	0.06	30.22	35.54	38.40	29.85	36.26	44.94
500	0.04	0.09	0.10	31.98	33.73	35.54	32.85	34.45	43.17
1000	0.07	0.13	0.16	31.52	31.93	32.63	33.82	34.11	36.03
1500	0.10	0.17	0.22	31.60	31.77	32.17	34.89	35.46	34.01
2000	0.11	0.20	0.25	32.92	32.99	32.91	33.31	37.19	38.31
2500	0.14	0.24	0.31	29.50	29.85	28.92	30.90	33.33	34.24
3000	0.18	0.31	0.38	29.19	27.43	25.77	30.80	29.39	28.05
3900	0.33	0.48	0.59	24.04	23.56	23.45	24.19	24.17	24.22
3800	0.31	0.46	0.57	23.10	22.74	22.74	23.47	23.53	23.70
4430	0.59	0.80	0.96	18.78	18.56	18.64	18.86	18.84	18.90
4700	1.52	1.88	2.16	8.46	8.18	8.05	8.77	8.63	8.55
4780	2.16	2.61	2.98	6.42	6.17	6.02	6.73	6.58	6.49
4850	2.92	3.46	3.90	4.94	4.72	4.61	5.21	5.10	5.04
4920	3.88	4.53	5.08	3.78	3.62	3.54	4.01	3.95	3.93
5140	8.54	9.50	10.34	1.49	1.55	1.61	1.69	1.82	1.91
5300	13.45	14.56	15.57	0.81	0.96	1.08	0.99	1.18	1.31
5430	18.42	19.73	20.94	0.55	0.74	0.88	0.75	0.94	1.06
5530	23.39	24.99	26.53	0.46	0.65	0.79	0.66	0.84	0.95
5610	28.81	30.96	33.14	0.39	0.59	0.74	0.61	0.79	0.89
5660	33.74	36.52	39.02	0.41	0.61	0.74	0.56	0.74	0.85
5700	39.01	40.96	40.65	0.38	0.56	0.71	0.56	0.74	0.84
5820	34.35	33.03	32.06	0.37	0.55	0.68	0.47	0.68	0.77
6000	27.91	27.76	27.58	0.32	0.51	0.64	0.46	0.63	0.72
6020	27.53	27.44	27.28	0.30	0.48	0.61	0.49	0.65	0.72
6360	25.74	26.13	26.30	0.28	0.45	0.57	0.39	0.57	0.65
6870	28.40	29.17	29.69	0.22	0.39	0.48	0.24	0.48	0.62
7270	32.88	34.02	34.92	0.18	0.36	0.49	0.16	0.42	0.61
7580	39.57	41.15	42.68	0.12	0.34	0.50	0.14	0.39	0.60
8290	37.32	37.02	36.93	0.08	0.34	0.58	0.19	0.44	0.67
8300	37.17	36.86	36.78	0.09	0.35	0.58	0.19	0.45	0.68
8800	31.36	31.40	30.88	0.09	0.35	0.60	0.26	0.53	0.79
9080	29.40	29.65	28.63	0.07	0.38	0.64	0.31	0.56	0.84
10000	25.03	25.62	24.75	0.09	0.41	0.49	0.65	0.91	1.09
11000	23.17	23.73	24.35	0.15	0.31	0.41	1.74	2.29	2.61
12000	31.03	31.59	30.96	0.14	0.28	0.45	1.31	1.59	1.63
13000	32.65	32.63	35.42	0.05	0.15	0.31	0.31	0.63	0.72
14000	24.61	24.12	22.78	0.01	0.25	0.67	0.08	0.35	0.57
15000	25.91	25.30	24.71	0.08	0.36	0.54	0.16	0.40	0.52
16000	21.00	20.33	20.46	0.01	0.35	0.67	0.17	0.46	0.61
17000	18.14	17.61	18.27	0.10	0.36	0.83	0.21	0.71	0.98
18000	14.94	15.54	16.20	0.49	0.63	0.59	0.80	1.55	2.18
19000	21.27	16.69	13.65	1.33	3.59	5.15	3.81	3.66	3.82
20000	10.26	9.91	9.59	0.96	1.45	1.92	0.97	1.72	2.27

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