

Coaxial Low Pass Filter

VLF-4400+

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	0.02	0.04	0.04	35.92	32.83	30.78	37.36	33.92	31.50
100	0.02	0.04	0.04	41.20	35.52	32.03	40.82	35.59	32.07
200	0.05	0.07	0.08	32.15	35.60	35.45	31.36	35.79	36.98
300	0.06	0.08	0.09	29.24	34.48	36.78	28.80	35.23	46.19
400	0.05	0.09	0.10	30.88	33.24	35.94	31.35	34.55	46.23
500	0.06	0.10	0.12	31.39	32.32	34.48	32.09	33.12	41.15
600	0.07	0.11	0.13	30.46	31.50	32.58	31.07	32.42	37.18
700	0.07	0.12	0.15	30.37	30.79	31.59	31.18	32.12	36.63
800	0.07	0.13	0.15	30.47	30.41	31.44	31.52	32.02	36.84
900	0.08	0.13	0.17	29.65	29.79	30.96	31.10	31.59	35.39
1000	0.09	0.15	0.18	28.91	29.24	30.08	30.68	31.03	33.21
1100	0.10	0.16	0.20	28.34	28.81	29.26	30.12	30.74	31.85
2000	0.13	0.22	0.27	27.94	28.41	28.37	28.28	30.15	30.74
2100	0.13	0.23	0.27	28.25	28.52	28.32	28.54	30.32	31.12
3000	0.19	0.30	0.39	27.15	25.53	24.03	27.70	26.91	26.07
3100	0.19	0.31	0.40	26.67	24.82	23.44	27.47	25.99	25.08
3500	0.25	0.38	0.47	20.42	20.47	20.08	21.15	21.40	21.05
3600	0.28	0.41	0.51	19.59	19.60	19.35	20.06	20.32	20.13
4000	0.35	0.50	0.63	17.48	17.17	16.94	17.80	17.66	17.54
4100	0.38	0.53	0.67	17.18	16.87	16.57	17.48	17.27	17.04
4400	0.42	0.59	0.76	17.49	17.17	16.42	17.52	17.18	16.50
5000	0.66	0.88	1.08	18.35	18.34	18.51	17.07	17.09	17.56
5100	0.85	1.09	1.31	14.56	14.20	14.15	13.91	13.69	13.92
6000	13.20	14.10	14.96	0.86	1.03	1.15	0.94	1.10	1.19
7000	30.43	30.64	30.71	0.31	0.47	0.58	0.38	0.55	0.68
8000	32.47	33.30	34.06	0.20	0.41	0.58	0.27	0.50	0.71
8500	39.62	40.92	42.52	0.18	0.44	0.68	0.29	0.53	0.78
9000	51.05	48.44	44.08	0.19	0.47	0.75	0.32	0.52	0.78
9900	30.10	30.53	30.70	0.19	0.43	0.61	0.37	0.55	0.74
10000	29.43	29.83	30.09	0.17	0.41	0.59	0.35	0.54	0.74
10100	28.82	29.20	29.54	0.15	0.37	0.54	0.31	0.51	0.74
10500	26.72	27.23	27.62	0.13	0.36	0.51	0.33	0.53	0.76
11000	24.60	25.12	25.38	0.13	0.34	0.47	0.40	0.61	0.89
11100	24.23	24.74	24.99	0.16	0.36	0.49	0.44	0.65	0.94
12000	21.93	21.81	22.40	0.33	0.45	0.41	2.43	3.62	4.96
12100	21.88	21.85	22.27	0.32	0.44	0.37	3.44	5.14	7.21
13000	40.80	41.04	41.74	0.02	0.20	0.34	0.94	1.18	1.22
13100	44.16	42.70	40.50	0.01	0.23	0.40	0.71	0.91	1.01
14000	29.39	28.76	27.42	0.23	0.35	0.68	0.16	0.39	0.59
14100	28.30	27.81	26.37	0.15	0.29	0.65	0.16	0.39	0.58
15000	23.38	23.52	23.31	0.02	0.25	0.58	0.15	0.36	0.55
15100	23.06	23.15	23.04	0.07	0.31	0.54	0.19	0.35	0.48
16000	22.89	22.12	22.19	0.62	0.78	0.95	0.22	0.47	0.59
16100	22.25	21.46	21.60	0.27	0.51	0.83	0.21	0.43	0.56
17000	20.48	19.72	19.88	0.18	0.42	0.97	0.24	0.66	0.95
17100	20.47	19.67	19.79	0.22	0.45	0.94	0.28	0.71	0.92
18000	16.88	17.40	18.22	0.31	0.40	0.53	0.45	1.00	1.63
18100	16.46	17.13	18.01	0.24	0.38	0.54	0.47	1.11	1.84
19000	14.36	15.27	17.34	0.28	0.48	0.54	2.04	2.23	2.66
19100	14.35	15.30	17.53	0.29	0.51	0.59	2.24	2.29	2.56
19500	16.31	16.58	18.31	0.20	0.55	0.72	1.93	2.10	2.17
19700	17.87	17.70	18.86	0.22	0.44	0.80	1.39	1.86	2.01
19800	18.80	18.51	19.13	0.21	0.51	0.95	1.23	1.82	1.94
19900	19.66	19.48	19.62	0.27	0.58	1.05	1.07	1.67	1.84
20000	20.56	20.39	20.27	0.31	0.57	1.12	0.91	1.48	1.76

REV. X1
VLF-4400+
080730



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