

Coaxial Low Pass Filter

VLF-6000

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	0.02	0.03	0.04	45.83	42.21	40.25	45.67	41.68	40.50
100	0.02	0.03	0.05	45.59	42.38	39.84	46.33	41.39	38.75
200	0.04	0.05	0.07	39.92	40.39	40.38	40.93	41.19	41.58
300	0.04	0.07	0.09	37.10	38.50	39.64	36.92	39.17	43.64
400	0.05	0.09	0.11	35.05	36.34	37.74	36.62	38.26	42.73
500	0.06	0.09	0.12	33.51	35.05	37.12	35.26	36.97	40.22
600	0.04	0.09	0.12	33.77	35.40	38.01	33.82	35.79	39.06
700	0.06	0.10	0.14	33.56	34.91	36.91	33.64	36.04	40.19
800	0.07	0.11	0.14	34.01	35.70	37.40	34.08	36.96	42.30
900	0.06	0.13	0.19	33.30	35.19	36.98	33.90	36.72	42.20
1000	0.06	0.14	0.19	33.69	35.89	38.16	34.48	37.67	43.78
1200	0.08	0.15	0.19	35.38	37.92	39.91	37.41	40.83	45.42
1400	0.08	0.17	0.21	37.67	41.57	42.83	42.36	49.90	43.23
1500	0.08	0.18	0.22	38.29	40.52	39.72	44.85	48.92	41.74
2000	0.10	0.21	0.27	36.57	33.32	33.05	35.11	32.20	31.37
2200	0.11	0.22	0.31	30.95	29.44	29.72	31.00	29.46	29.10
2500	0.09	0.22	0.31	27.50	26.29	26.68	27.12	25.72	25.51
3000	0.17	0.31	0.43	23.11	22.91	23.29	23.28	22.55	22.40
3200	0.19	0.31	0.43	22.38	22.32	22.45	22.03	21.47	21.16
3500	0.20	0.36	0.46	20.83	21.18	21.54	20.57	20.45	20.33
4000	0.24	0.41	0.53	20.18	20.20	20.11	19.79	19.60	19.27
4200	0.24	0.43	0.57	20.37	20.20	19.86	19.84	19.56	19.16
4500	0.25	0.45	0.61	20.90	20.30	19.30	20.38	19.83	19.09
5000	0.29	0.52	0.67	21.42	20.67	19.38	21.29	20.76	20.06
5200	0.35	0.56	0.74	21.40	20.95	19.79	21.47	21.23	20.74
5500	0.36	0.60	0.79	20.82	20.97	20.38	21.48	21.77	21.47
6000	0.52	0.79	1.01	18.77	18.51	18.00	20.68	20.00	19.31
6200	0.64	0.94	1.19	16.45	15.78	15.18	18.47	17.40	16.80
6500	1.05	1.42	1.75	11.45	10.98	10.38	12.65	11.97	11.58
6800	2.20	2.70	3.22	6.42	6.25	5.91	7.15	6.83	6.63
7000	3.74	4.38	5.05	3.95	3.93	3.73	4.55	4.32	4.20
7200	5.95	6.80	7.65	2.31	2.40	2.37	2.72	2.64	2.62
7500	10.47	11.56	12.60	1.12	1.32	1.44	1.33	1.41	1.45
8000	19.84	21.13	22.38	0.50	0.81	1.06	0.58	0.75	0.83
8200	24.13	25.60	26.90	0.43	0.76	1.07	0.45	0.63	0.73
8500	31.73	33.76	35.41	0.39	0.74	1.06	0.37	0.57	0.70
8720	39.22	42.70	45.73	0.40	0.73	1.06	0.33	0.52	0.68
9000	53.55	54.43	50.55	0.37	0.71	1.04	0.28	0.51	0.70
9200	45.41	46.17	45.13	0.37	0.67	1.00	0.26	0.50	0.70
9500	41.07	44.11	44.07	0.35	0.67	0.94	0.27	0.51	0.75
10000	39.19	45.38	46.80	0.29	0.60	0.85	0.30	0.57	0.84
10200	39.72	44.52	46.33	0.25	0.58	0.82	0.30	0.62	0.89
10500	43.18	44.29	44.67	0.19	0.56	0.79	0.26	0.66	0.95
10800	47.91	45.12	43.82	0.15	0.51	0.77	0.21	0.56	0.90
11000	45.48	42.74	41.97	0.15	0.52	0.75	0.21	0.53	0.86
12000	32.68	32.75	32.66	0.16	0.49	0.68	0.15	0.42	0.66
13000	26.97	27.76	27.95	0.38	0.83	1.17	0.13	0.40	0.58
13700	25.84	26.01	27.60	3.93	8.93	13.00	0.22	0.42	0.58
14000	30.91	29.68	29.58	7.03	4.20	3.32	0.03	0.30	0.47
15000	28.55	28.62	28.09	0.05	0.60	1.08	0.03	0.30	0.45
16000	24.87	24.92	24.72	0.09	0.58	1.09	0.05	0.32	0.51
17000	21.63	22.01	22.21	0.13	0.63	1.16	0.14	0.43	0.69
18000	20.57	21.19	21.40	0.41	1.01	1.46	0.26	0.68	1.07
19000	18.28	19.21	19.92	0.67	1.09	1.35	0.42	0.73	1.09

REV. X2

VLF-6000

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