

# 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+  
101129  
Page 1 of 1



IF/RF MICROWAVE COMPONENTS • ISO 9001 ISO 14001 AS 9100 CERTIFIED • RoHS compliant  
P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661



The Design Engineers Search Engine finds the model you need, Instantly • For detailed performance specs & shopping online see

