

# Coaxial Low Pass Filter

# VLF-3000+

## 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
50	0.06	0.06	0.07	44.58	40.80	36.96	48.78	41.91	37.37
100	0.07	0.08	0.09	39.03	41.68	40.21	39.30	40.99	38.22
500	0.14	0.17	0.22	28.29	26.90	24.24	28.25	26.67	24.13
1000	0.23	0.29	0.34	20.69	20.50	20.63	20.47	20.31	20.29
2000	0.41	0.50	0.59	16.95	17.06	17.09	17.17	17.28	17.39
2500	0.47	0.57	0.68	18.88	19.85	20.48	18.96	19.94	20.54
3000	0.57	0.72	0.87	31.26	29.26	26.81	27.20	26.26	25.61
3240	0.80	1.00	1.21	16.93	15.91	15.18	17.13	16.24	15.73
3580	2.49	2.86	3.28	6.08	5.88	5.69	6.41	6.23	5.98
3600	2.70	3.08	3.52	5.64	5.48	5.31	5.97	5.81	5.58
3720	4.37	4.83	5.39	3.52	3.49	3.44	3.81	3.78	3.66
3940	9.12	9.73	10.50	1.48	1.57	1.66	1.72	1.81	1.83
4120	14.14	14.91	15.81	0.88	1.00	1.13	1.08	1.21	1.31
4280	19.25	20.18	21.20	0.66	0.80	0.93	0.85	1.01	1.15
4350	21.70	22.71	23.79	0.61	0.75	0.88	0.80	0.97	1.13
4410	23.94	25.01	26.15	0.56	0.72	0.85	0.77	0.95	1.12
4530	28.88	30.10	31.41	0.52	0.67	0.81	0.73	0.93	1.12
4550	29.79	31.05	32.38	0.51	0.66	0.80	0.72	0.92	1.12
4710	38.32	40.00	41.77	0.47	0.63	0.76	0.71	0.93	1.14
4780	43.31	45.38	47.52	0.45	0.61	0.74	0.72	0.93	1.16
4910	57.26	58.61	58.94	0.43	0.59	0.71	0.73	0.95	1.18
5020	54.77	54.28	54.72	0.42	0.57	0.70	0.74	0.97	1.20
5450	59.64	58.04	55.68	0.37	0.51	0.64	0.76	0.96	1.13
5900	47.31	47.28	47.17	0.33	0.47	0.62	0.69	0.88	0.99
6410	57.60	59.38	58.73	0.24	0.42	0.62	0.56	0.73	0.86
7000	39.15	38.67	37.95	0.20	0.38	0.62	0.39	0.61	0.79
7500	32.58	32.41	32.11	0.20	0.35	0.56	0.29	0.53	0.75
8000	28.79	28.77	28.68	0.20	0.33	0.51	0.26	0.49	0.73
8500	26.10	26.23	26.26	0.18	0.33	0.50	0.29	0.48	0.72
9000	24.17	24.31	24.36	0.15	0.35	0.52	0.32	0.48	0.69
9500	22.62	22.57	22.56	0.12	0.37	0.56	0.34	0.51	0.68
10000	21.29	20.88	20.78	0.09	0.36	0.57	0.33	0.50	0.64
10500	19.99	19.81	19.65	0.14	0.38	0.58	0.32	0.47	0.58
11000	18.79	18.90	18.80	0.20	0.41	0.59	0.30	0.46	0.57
11500	17.65	18.02	18.06	0.25	0.46	0.64	0.31	0.47	0.58
12000	17.62	17.93	17.43	0.59	1.10	1.70	0.32	0.52	0.72
13000	14.73	14.18	13.96	0.28	0.64	1.03	0.48	0.73	1.00
14000	11.19	11.59	11.74	0.78	1.10	1.59	1.04	1.29	1.65
16000	10.22	11.06	11.85	2.42	2.67	3.12	1.43	1.60	1.79
18000	25.21	25.97	26.26	1.49	2.03	2.87	0.39	0.74	1.05
20000	20.32	23.02	25.89	2.04	2.11	2.21	0.82	1.21	1.74

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080720  
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