

Coaxial Low Pass Filter

VLF-5000+

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	0.01	0.04	0.05	45.35	41.98	40.29	43.32	39.57	38.30
100	0.05	0.07	0.08	43.60	41.33	39.10	45.08	40.62	37.90
200	0.04	0.06	0.07	39.52	39.70	40.65	38.82	39.43	39.99
300	0.03	0.06	0.08	36.54	37.64	38.26	36.13	38.16	41.62
400	0.07	0.09	0.13	35.44	37.26	38.28	36.74	38.81	42.64
500	0.06	0.09	0.13	33.89	35.57	37.47	35.05	37.25	40.52
600	0.07	0.11	0.15	33.15	34.47	36.46	34.68	36.96	40.56
700	0.07	0.13	0.15	32.84	34.14	35.84	33.79	36.10	39.80
800	0.06	0.13	0.17	33.84	35.46	37.49	35.24	38.23	44.34
900	0.08	0.14	0.17	34.30	36.13	38.53	35.26	37.80	43.57
1000	0.07	0.13	0.19	34.88	37.65	41.07	36.68	39.75	44.73
1500	0.10	0.17	0.24	45.24	56.68	43.73	38.89	38.22	35.04
1600	0.12	0.21	0.27	49.04	45.75	40.82	37.48	36.16	33.57
2000	0.12	0.21	0.31	37.79	34.83	33.25	34.47	31.52	29.58
2500	0.17	0.27	0.36	29.84	29.73	29.30	29.56	28.24	26.89
2600	0.18	0.31	0.41	28.83	29.01	28.85	28.55	27.42	26.29
2800	0.17	0.31	0.40	27.87	27.97	28.40	27.80	26.90	26.23
3000	0.18	0.30	0.43	26.59	26.80	27.36	26.56	25.86	25.49
3500	0.23	0.38	0.52	24.12	24.46	24.99	23.64	23.54	23.53
3600	0.22	0.39	0.51	23.46	23.74	24.16	23.13	23.04	23.07
4000	0.28	0.46	0.61	21.65	21.48	21.15	21.03	20.85	20.52
4500	0.35	0.56	0.73	21.91	21.55	20.79	21.25	21.02	20.70
5000	0.46	0.72	0.93	32.82	29.86	27.74	27.32	26.06	24.28
5500	1.48	1.99	2.50	8.80	8.12	7.47	8.61	7.90	7.25
5600	2.11	2.71	3.34	6.62	6.16	5.72	6.51	6.02	5.57
5800	4.15	4.95	5.73	3.59	3.48	3.37	3.59	3.44	3.32
6000	7.31	8.24	9.15	1.84	1.97	2.05	1.89	1.97	2.05
6500	19.66	21.00	22.38	0.54	0.80	1.00	0.67	0.87	1.04
6830	36.38	39.89	42.48	0.37	0.66	0.85	0.51	0.70	0.84
7000	38.23	36.32	35.02	0.34	0.63	0.85	0.48	0.66	0.79
7500	28.19	28.46	28.78	0.28	0.58	0.84	0.39	0.57	0.69
8000	28.43	29.01	29.51	0.21	0.53	0.86	0.34	0.53	0.67
8500	31.10	31.91	32.77	0.19	0.52	0.85	0.30	0.53	0.74
9000	36.99	38.42	39.46	0.17	0.50	0.84	0.27	0.52	0.80
9500	43.65	42.54	37.42	0.18	0.50	0.87	0.26	0.51	0.85
10000	32.64	32.61	42.07	0.32	0.67	0.78	0.32	0.59	0.76
10500	39.84	39.87	39.77	0.18	0.54	0.74	0.21	0.43	0.65
11000	37.57	36.90	34.73	0.13	0.46	0.72	0.10	0.33	0.53
11500	32.73	32.57	31.47	0.14	0.46	0.71	0.08	0.32	0.52
12000	29.10	29.39	28.95	0.26	0.59	0.87	0.09	0.32	0.51
12500	25.63	25.95	25.96	1.21	2.20	3.73	0.08	0.32	0.51
13000	35.59	36.36	34.66	2.96	1.94	1.60	0.09	0.33	0.51
13500	30.36	30.17	29.69	0.17	0.55	0.86	0.06	0.28	0.44
14000	28.81	28.28	27.74	0.05	0.37	0.80	0.03	0.21	0.38
14500	27.72	27.10	26.43	0.08	0.34	0.88	0.06	0.22	0.41
15000	26.34	25.96	25.56	0.05	0.37	0.91	0.02	0.26	0.47
15500	24.79	24.73	24.67	0.00	0.46	0.95	0.05	0.32	0.58
16000	23.18	23.53	23.83	0.09	0.57	1.03	0.13	0.40	0.65
16500	22.54	23.19	24.04	0.20	0.68	1.13	0.22	0.60	1.01
17000	18.53	18.25	19.28	0.43	0.90	1.30	1.67	1.24	1.21
17500	18.93	19.42	20.12	0.39	0.96	1.46	0.27	0.64	0.97
18000	19.24	20.01	20.78	0.73	1.23	1.60	0.18	0.57	0.92
18500	20.47	21.21	21.84	0.80	1.38	1.86	0.13	0.52	0.89
19000	22.35	22.92	23.41	0.89	1.67	2.43	0.12	0.55	0.96

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