

Coaxial Low Pass Filter

VLF-6700

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	0.06	48.70	43.66	40.77	48.47	42.65	40.18
100	0.02	0.04	0.05	44.58	41.06	38.79	46.25	41.11	38.39
200	0.05	0.06	0.09	38.68	38.86	39.29	39.06	39.50	40.39
300	0.04	0.07	0.09	35.69	37.07	38.24	35.27	37.23	41.54
400	0.05	0.09	0.12	34.32	35.94	37.38	34.92	36.82	41.93
500	0.07	0.10	0.14	32.16	33.79	36.00	33.11	35.29	39.50
600	0.08	0.12	0.16	31.97	33.46	36.15	32.41	34.68	38.89
700	0.10	0.13	0.18	31.32	32.65	35.02	31.77	33.97	37.86
800	0.10	0.13	0.18	31.51	32.73	34.81	32.23	34.35	38.28
900	0.09	0.15	0.21	31.65	32.84	34.82	32.04	33.75	37.27
1000	0.10	0.17	0.21	31.02	32.48	34.20	32.60	34.61	38.43
1100	0.12	0.18	0.23	30.57	32.23	33.81	32.32	34.67	38.01
1200	0.13	0.19	0.24	30.93	32.45	33.65	32.82	35.42	38.37
1300	0.13	0.18	0.25	31.54	32.89	33.93	33.27	35.79	38.29
1400	0.12	0.19	0.25	31.75	32.92	33.93	33.86	36.35	38.78
1500	0.13	0.19	0.26	32.04	33.19	34.29	34.63	37.40	40.44
1600	0.11	0.19	0.26	32.29	33.33	34.13	35.64	38.65	42.08
1700	0.13	0.20	0.28	32.99	33.89	34.14	35.60	38.46	41.49
1800	0.13	0.21	0.29	32.85	33.46	33.47	35.32	37.28	40.24
1900	0.12	0.20	0.28	32.91	32.64	32.54	35.87	36.42	39.62
2000	0.13	0.22	0.30	32.81	31.85	31.79	35.38	34.69	37.57
2100	0.14	0.24	0.31	32.56	31.04	31.06	33.88	32.70	34.88
2200	0.14	0.22	0.30	31.96	30.22	30.30	32.25	31.08	32.73
2300	0.13	0.23	0.31	30.19	29.08	29.22	30.02	29.47	30.72
2400	0.14	0.24	0.33	28.76	28.04	28.23	28.57	28.37	29.32
2500	0.15	0.25	0.35	27.97	27.22	27.33	27.54	27.23	27.85
2600	0.16	0.25	0.34	27.10	26.32	26.37	26.68	26.18	26.63
2700	0.17	0.26	0.36	26.48	25.67	25.79	26.17	25.54	25.95
2800	0.16	0.27	0.38	25.55	24.81	24.93	25.37	24.69	24.95
2900	0.16	0.28	0.38	24.75	24.09	24.21	24.78	24.12	24.22
3000	0.18	0.29	0.41	24.04	23.52	23.60	23.80	23.23	23.28
3500	0.22	0.35	0.48	21.94	21.86	22.05	21.64	21.22	20.95
4000	0.23	0.37	0.53	20.81	20.75	20.66	20.43	20.11	19.47
4500	0.24	0.42	0.59	21.01	20.31	19.01	20.32	19.60	18.28
5000	0.28	0.46	0.66	21.18	20.12	18.31	20.33	19.46	18.24
5500	0.32	0.52	0.71	20.12	19.86	18.64	19.88	19.73	19.37
6000	0.38	0.59	0.79	19.73	20.81	21.23	19.88	21.20	22.67
6700	0.51	0.75	1.01	25.94	26.16	25.02	30.47	32.03	30.95
7000	0.67	0.97	1.28	19.98	18.50	16.70	21.20	19.84	18.53
7600	2.22	2.77	3.39	6.69	6.35	5.89	6.86	6.52	6.18
8000	5.71	6.63	7.57	2.55	2.62	2.70	2.71	2.62	2.52
9000	23.47	25.20	26.82	0.56	0.91	1.38	0.53	0.73	0.90
10000	39.31	39.24	39.46	0.34	0.64	0.99	0.27	0.54	0.84
11000	42.20	43.18	44.46	0.23	0.51	0.76	0.12	0.36	0.65
12000	44.96	43.65	42.57	0.11	0.37	0.58	0.14	0.36	0.57
13000	34.09	34.52	34.56	0.04	0.33	0.56	0.18	0.39	0.52
14000	30.93	30.91	30.89	0.08	0.38	0.84	0.15	0.33	0.44
15000	29.65	29.24	28.98	0.00	0.54	1.26	0.11	0.29	0.43
16000	24.79	24.71	24.61	0.54	1.26	2.35	0.07	0.31	0.54
17000	28.00	27.45	27.09	0.83	1.08	1.60	0.03	0.33	0.66
18000	23.48	23.68	23.96	0.27	0.73	1.30	0.15	0.51	0.89
19000	22.37	23.02	23.78	0.38	0.82	1.14	0.18	0.55	0.91
19980	23.33	23.47	23.75	0.44	1.01	1.55	0.15	0.55	1.06
20000	23.49	23.58	23.83	0.44	1.02	1.58	0.16	0.59	1.09

REV. X2

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