

Coaxial Low Pass Filter

VLF-530

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
1	0.02	0.05	0.07	49.14	46.06	44.83	49.27	46.06	44.83
50	0.12	0.15	0.17	39.26	36.18	34.95	38.57	35.36	34.13
100	0.17	0.22	0.24	37.42	36.29	35.49	33.73	32.15	31.24
200	0.25	0.30	0.35	46.05	38.50	34.02	28.80	27.78	27.05
300	0.35	0.41	0.48	35.44	31.99	29.29	26.95	25.36	24.46
400	0.45	0.55	0.66	33.97	31.35	30.50	29.01	27.07	25.99
500	0.62	0.76	0.89	38.53	38.64	36.01	34.49	33.59	31.19
530	0.67	0.83	0.99	29.21	28.58	27.06	28.60	27.78	26.23
560	0.79	0.99	1.15	23.96	23.17	22.13	23.72	22.94	21.91
580	0.90	1.12	1.29	21.22	20.48	19.57	21.51	20.81	19.99
600	0.99	1.22	1.42	18.98	18.32	17.49	19.78	19.25	18.62
650	1.43	1.78	2.12	14.64	14.02	13.35	17.81	18.00	18.20
670	1.76	2.21	2.64	12.80	12.11	11.38	17.55	18.12	18.63
700	2.78	3.52	4.25	8.75	8.04	7.37	13.02	12.82	12.30
705	3.08	3.89	4.72	7.99	7.31	6.67	11.85	11.55	11.00
725	4.95	6.14	7.34	5.05	4.65	4.26	7.47	7.20	6.82
735	6.40	7.80	9.18	3.88	3.63	3.38	5.77	5.62	5.41
745	8.17	9.76	11.29	3.00	2.87	2.74	4.48	4.45	4.36
755	10.26	12.01	13.69	2.31	2.31	2.28	3.51	3.58	3.58
790	19.77	22.02	24.16	1.25	1.40	1.50	1.98	2.20	2.32
820	31.16	34.05	36.49	1.00	1.15	1.27	1.53	1.75	1.90
845	42.23	40.98	39.69	0.86	1.01	1.13	1.39	1.61	1.76
900	37.79	38.36	38.89	0.70	0.84	0.96	1.18	1.39	1.53
945	42.47	43.81	45.07	0.64	0.78	0.89	1.09	1.31	1.45
1000	54.91	52.72	50.53	0.54	0.67	0.78	0.98	1.19	1.34
1165	39.73	39.97	40.14	0.40	0.52	0.63	0.80	0.98	1.13
1955	79.22	78.56	72.56	0.23	0.39	0.48	0.32	0.41	0.47
2500	52.59	51.98	51.68	0.24	0.38	0.45	0.22	0.29	0.32
3000	42.63	42.58	42.26	0.28	0.40	0.47	0.20	0.27	0.30
3500	36.43	36.77	36.42	0.25	0.38	0.45	0.11	0.19	0.26
4780	33.59	29.72	24.23	0.37	1.59	1.92	0.19	0.40	0.60
4880	20.90	22.55	22.30	0.81	2.01	1.99	0.41	0.39	0.46
5500	22.82	24.42	24.82	0.29	0.65	0.94	0.20	0.34	0.47
6000	22.26	23.25	23.51	0.40	0.57	0.79	0.23	0.39	0.52
7000	20.98	20.82	20.83	0.46	0.53	0.76	0.22	0.36	0.51
8000	18.82	18.47	18.57	0.41	0.49	0.65	0.24	0.36	0.47
9000	16.72	16.76	16.93	0.38	0.60	0.77	0.32	0.47	0.55
10000	15.39	15.83	15.92	0.96	0.99	1.37	0.68	0.97	1.10
11000	16.34	16.73	17.55	2.64	2.50	3.14	0.83	1.27	1.73
12060	38.96	38.05	32.97	2.84	3.05	3.40	7.69	10.65	12.49
13000	22.01	21.03	20.76	2.20	1.97	2.48	1.53	1.66	1.80

REV. X2

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