

# Coaxial Low Pass Filter

# VLF-1800

## 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	0.03	0.05	0.06	45.26	41.48	40.10	42.28	39.89	38.19
100	0.07	0.08	0.10	44.30	42.23	41.04	41.39	39.90	38.55
500	0.14	0.19	0.24	30.27	28.46	26.87	28.97	27.28	26.07
1500	0.50	0.64	0.74	16.26	16.46	16.64	16.42	16.57	16.70
1800	0.66	0.85	1.00	21.76	23.11	24.38	21.56	22.55	23.34
1930	0.86	1.13	1.36	30.44	29.45	27.36	25.13	24.93	24.60
2125	2.58	3.50	4.38	8.97	7.76	6.89	9.89	8.97	8.31
2170	4.10	5.47	6.75	5.78	4.99	4.44	6.69	6.06	5.60
2190	5.10	6.66	8.13	4.65	4.03	3.62	5.52	5.05	4.71
2265	10.80	13.16	15.31	2.04	1.98	1.95	2.70	2.70	2.69
2315	16.31	19.23	21.89	1.34	1.43	1.52	1.89	2.01	2.08
2350	21.04	24.51	27.64	1.03	1.17	1.28	1.52	1.67	1.78
2380	26.05	30.13	33.21	0.94	1.08	1.21	1.40	1.57	1.69
2410	32.38	35.58	35.32	0.82	0.99	1.11	1.20	1.38	1.49
2425	35.49	35.98	34.39	0.75	0.93	1.06	1.16	1.33	1.44
2440	37.11	35.07	33.36	0.71	0.88	1.03	1.14	1.30	1.42
2500	32.23	31.35	30.98	0.65	0.82	0.98	0.96	1.13	1.25
2580	30.47	30.77	31.16	0.54	0.73	0.89	0.80	0.94	1.08
2870	44.13	47.17	49.29	0.41	0.60	0.75	0.55	0.74	0.88
2940	52.88	50.02	47.51	0.35	0.52	0.67	0.51	0.67	0.83
3320	35.62	35.56	35.58	0.35	0.51	0.63	0.38	0.57	0.71
4000	36.24	36.69	37.06	0.29	0.45	0.54	0.36	0.51	0.63
4500	40.74	41.43	41.93	0.27	0.47	0.56	0.27	0.44	0.54
5100	61.09	63.29	61.83	0.24	0.44	0.59	0.24	0.41	0.50
5500	45.24	44.21	43.54	0.22	0.41	0.59	0.22	0.38	0.48
6000	37.30	37.02	36.79	0.19	0.40	0.60	0.18	0.34	0.46
6500	33.22	33.28	33.29	0.20	0.41	0.63	0.17	0.35	0.51
7200	33.51	34.68	31.82	0.14	0.41	0.67	0.27	0.68	1.25
7450	21.06	22.57	23.40	0.23	0.43	0.64	1.00	0.73	0.79
8000	23.27	23.27	23.25	0.12	0.35	0.57	0.16	0.42	0.70
8600	21.83	21.81	21.76	0.15	0.37	0.54	0.25	0.51	0.77
9500	19.02	19.17	19.31	0.19	0.41	0.54	0.32	0.57	0.76
10000	18.08	18.04	18.07	0.11	0.41	0.59	0.30	0.53	0.69
11000	14.86	14.84	14.76	0.35	0.64	0.91	0.54	0.77	0.92
12000	10.51	10.81	10.88	0.79	1.21	1.60	1.02	1.40	1.77
13000	7.96	7.84	8.02	1.64	2.41	3.09	1.76	2.44	3.09
13510	6.07	7.40	10.25	3.54	4.28	4.03	5.27	8.66	8.16
13840	15.12	15.61	14.90	2.37	2.32	2.38	3.38	2.51	2.47
14000	14.41	13.80	13.65	1.96	2.19	2.30	1.81	1.93	2.19
15000	14.67	13.47	12.59	0.93	1.54	2.20	1.32	2.04	3.03

REV. X1  
VLF-1800  
070925  
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

