

Coaxial Low Pass Filter

VLF-1000+

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
10	0.02	0.05	0.05	50.05	46.06	45.16	51.11	46.06	45.03
50	0.04	0.07	0.07	44.26	40.64	39.53	45.49	40.82	39.03
100	0.08	0.10	0.13	41.58	41.97	41.50	39.46	37.43	35.91
500	0.21	0.30	0.33	34.24	31.95	29.95	27.73	26.54	25.52
800	0.35	0.47	0.55	42.88	39.50	37.37	36.73	35.48	34.35
900	0.45	0.58	0.69	30.18	29.40	28.62	30.53	30.08	29.32
950	0.51	0.68	0.77	25.68	24.98	24.29	25.44	24.90	24.25
1000	0.59	0.77	0.90	22.33	21.70	21.05	22.19	21.63	21.01
1015	0.62	0.78	0.94	21.25	20.66	20.06	21.24	20.67	20.11
1050	0.73	0.91	1.07	19.49	18.97	18.41	19.41	18.94	18.42
1076	0.78	0.99	1.15	18.26	17.77	17.22	18.44	18.00	17.54
1100	0.86	1.08	1.27	17.10	16.69	16.22	17.49	17.14	16.75
1200	1.37	1.69	2.00	13.68	13.32	12.96	15.72	15.96	16.27
1230	1.63	2.02	2.41	12.54	12.09	11.67	15.68	16.26	16.95
1280	2.42	3.04	3.67	9.56	8.91	8.27	14.38	14.68	14.83
1300	3.02	3.79	4.61	7.93	7.27	6.66	12.57	12.49	12.21
1325	4.15	5.22	6.30	5.87	5.32	4.85	9.68	9.47	9.12
1375	8.36	9.97	11.50	2.69	2.57	2.47	5.28	5.33	5.32
1400	11.38	13.12	14.77	1.86	1.89	1.90	4.06	4.25	4.36
1425	14.65	16.42	18.07	1.38	1.46	1.53	3.32	3.57	3.78
1455	18.58	20.28	21.80	1.04	1.19	1.30	2.73	3.01	3.25
1500	23.64	24.95	26.03	0.80	0.97	1.09	2.19	2.46	2.70
1550	27.12	27.95	28.58	0.67	0.84	0.97	1.75	2.02	2.23
1620	29.49	30.01	30.44	0.57	0.73	0.86	1.32	1.54	1.73
1700	31.77	32.34	32.87	0.49	0.66	0.79	0.97	1.16	1.31
1800	36.01	36.86	37.71	0.40	0.59	0.69	0.71	0.86	0.97
1850	39.25	40.32	41.49	0.40	0.58	0.70	0.61	0.75	0.86
1900	43.75	45.25	47.13	0.36	0.52	0.67	0.55	0.68	0.77
1985	58.20	55.85	53.08	0.33	0.51	0.65	0.43	0.55	0.64
2500	39.05	39.24	39.39	0.27	0.43	0.56	0.23	0.30	0.35
3000	43.27	43.61	43.81	0.26	0.41	0.51	0.16	0.24	0.28
3500	47.65	47.78	47.80	0.24	0.39	0.50	0.11	0.21	0.28
4000	47.24	47.33	47.34	0.18	0.37	0.48	0.09	0.20	0.30
5000	52.13	49.39	47.28	0.16	0.38	0.55	0.12	0.28	0.42
5095	44.29	42.66	41.22	0.13	0.35	0.55	0.12	0.29	0.44
5200	38.44	37.10	35.92	0.13	0.35	0.55	0.14	0.32	0.47
5500	25.15	23.86	22.63	0.18	0.43	0.66	0.34	0.59	0.87
5755	11.17	9.71	9.28	1.04	1.75	2.22	3.47	7.25	12.32
6895	20.09	20.71	21.35	0.16	0.40	0.61	0.83	1.66	3.13
7000	21.49	20.67	20.12	0.16	0.42	0.64	4.21	3.42	2.06
8050	18.74	19.01	19.25	0.19	0.44	0.60	0.19	0.34	0.47

REV. X1
VLF-1000+
070924
Page 1 of 1



IF/RF MICROWAVE COMPONENTS • ISO 9001 ISO 14001 AS9100 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

