

# Coaxial High Pass Filter

# VHF-5050+

## 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	61.79	60.91	62.27	0.03	0.02	0.03	0.01	0.01	0.01
100	55.03	55.32	55.26	0.05	0.04	0.05	0.01	0.01	0.01
200	49.23	49.15	48.87	0.04	0.02	0.02	0.01	0.00	0.01
500	41.30	41.37	41.39	0.06	0.02	0.01	0.04	0.02	0.00
1000	36.08	36.10	36.20	0.05	0.01	0.03	0.04	0.00	0.02
2000	34.14	34.38	34.58	0.06	0.13	0.16	0.01	0.08	0.11
2500	37.93	38.49	38.92	0.08	0.15	0.17	0.06	0.13	0.16
3000	51.75	48.82	46.84	0.07	0.17	0.21	0.09	0.18	0.22
3600	30.66	30.42	30.20	0.16	0.28	0.35	0.16	0.27	0.34
4000	27.97	28.27	28.55	0.17	0.31	0.44	0.23	0.36	0.45
4200	30.12	31.29	32.56	0.21	0.37	0.53	0.27	0.41	0.52
4400	39.82	35.04	31.35	0.30	0.48	0.69	0.36	0.53	0.68
4500	27.95	25.23	23.13	0.40	0.60	0.84	0.42	0.62	0.81
4600	20.61	18.79	17.30	0.53	0.78	1.05	0.56	0.79	1.03
4700	15.15	13.75	12.59	0.77	1.10	1.46	0.81	1.13	1.47
4800	10.65	9.55	8.65	1.28	1.75	2.28	1.30	1.79	2.31
4950	5.34	4.71	4.26	3.16	4.12	5.07	3.26	4.22	5.22
5000	4.07	3.62	3.31	4.39	5.56	6.70	4.44	5.64	6.89
5050	2.98	2.71	2.53	5.92	7.34	8.68	6.08	7.52	9.03
5200	1.28	1.34	1.41	13.60	15.90	17.64	14.07	17.22	20.68
5400	0.73	0.91	1.06	24.89	20.64	19.19	25.89	21.97	20.26
5500	0.66	0.85	1.01	19.66	17.70	17.05	19.79	18.10	17.38
5650	0.59	0.79	0.96	17.14	16.46	16.10	17.17	16.46	16.03
6000	0.44	0.62	0.78	18.79	19.25	19.00	18.53	19.09	18.90
6500	0.32	0.50	0.67	31.67	43.34	36.09	28.05	33.19	30.84
7000	0.30	0.51	0.71	23.29	20.15	18.59	22.45	19.50	17.57
8000	0.39	0.53	0.71	14.42	16.64	17.77	14.14	16.18	17.20
9000	0.25	0.45	0.65	23.64	27.15	29.97	21.22	24.56	30.13
9700	0.30	0.53	0.75	17.30	18.63	20.18	16.90	18.73	21.00
10000	0.42	0.66	0.86	13.66	14.04	15.35	13.72	14.42	16.22
10700	0.90	1.25	1.54	8.45	8.30	8.50	8.73	8.46	8.64
12000	2.48	2.99	3.50	4.08	3.91	3.90	4.09	3.90	3.72
13000	3.94	3.78	3.96	2.52	3.07	3.36	2.45	3.08	3.30
14000	3.49	2.65	2.15	3.33	5.52	8.97	2.93	4.83	7.16
15000	3.86	5.25	6.51	5.88	5.19	4.52	4.62	4.14	3.88
16000	15.49	20.70	22.80	1.80	1.53	1.40	1.11	0.79	0.81
17000	13.51	12.32	12.14	0.33	1.03	1.75	0.33	0.85	1.02
18000	6.77	6.10	6.19	2.03	3.07	3.91	1.61	3.07	3.71
19000	3.67	5.60	8.12	10.19	4.57	2.75	5.07	5.13	4.18
20000	18.95	21.81	23.98	0.24	0.74	1.12	0.47	0.79	1.56

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