

Coaxial High Pass Filter

VHF-2100+

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	64.71	62.72	73.31	0.01	0.01	0.01	0.00	0.01	0.01
100	68.59	65.27	68.78	0.02	0.01	0.01	0.00	0.02	0.01
110	70.68	64.04	70.03	0.01	0.00	0.01	0.01	0.03	0.02
120	65.74	65.06	68.53	0.00	0.02	0.01	0.00	0.01	0.02
130	70.83	69.84	68.43	0.02	0.02	0.03	0.00	0.01	0.01
140	68.17	69.97	69.64	0.01	0.00	0.01	0.01	0.00	0.00
150	65.96	67.93	68.00	0.01	0.01	0.02	0.01	0.01	0.01
160	67.55	68.45	67.84	0.01	0.02	0.04	0.01	0.01	0.02
170	67.47	66.70	65.64	0.01	0.01	0.02	0.00	0.01	0.02
180	66.76	65.78	66.14	0.00	0.01	0.03	0.00	0.01	0.02
190	67.27	64.49	65.96	0.02	0.01	0.04	0.02	0.01	0.03
200	65.02	66.05	66.99	0.00	0.02	0.04	0.00	0.00	0.02
300	63.26	63.08	63.86	0.01	0.01	0.05	0.01	0.02	0.05
400	62.32	62.11	62.04	0.01	0.04	0.06	0.01	0.06	0.07
500	62.69	61.68	62.54	0.04	0.07	0.09	0.00	0.04	0.06
600	64.57	64.87	65.17	0.05	0.10	0.14	0.02	0.06	0.09
700	71.34	71.23	74.13	0.07	0.13	0.16	0.06	0.09	0.12
800	68.37	66.95	66.17	0.07	0.14	0.17	0.07	0.11	0.14
900	57.52	57.35	56.75	0.09	0.17	0.21	0.09	0.13	0.17
1000	51.00	50.64	50.37	0.11	0.18	0.24	0.11	0.15	0.20
1050	48.23	47.97	47.68	0.12	0.21	0.25	0.12	0.16	0.21
1100	45.81	45.57	45.24	0.13	0.23	0.27	0.17	0.22	0.26
1200	41.10	40.81	40.48	0.17	0.25	0.32	0.17	0.25	0.27
1300	36.62	36.35	36.03	0.21	0.31	0.35	0.22	0.28	0.33
1400	32.24	31.94	31.63	0.26	0.36	0.41	0.26	0.33	0.39
1500	27.79	27.47	27.12	0.28	0.39	0.45	0.32	0.39	0.47
1530	26.47	26.16	25.76	0.30	0.41	0.49	0.37	0.43	0.50
1600	23.31	22.95	22.54	0.38	0.49	0.59	0.42	0.52	0.59
1700	18.71	18.33	17.88	0.48	0.61	0.73	0.53	0.68	0.79
1800	14.07	13.68	13.22	0.71	0.89	1.07	0.81	1.01	1.20
1900	9.55	9.16	8.77	1.27	1.55	1.84	1.45	1.76	2.10
2000	5.53	5.30	5.07	2.63	3.10	3.61	2.98	3.52	4.13
2100	2.80	2.78	2.75	5.38	6.12	6.82	6.02	6.91	7.84
2200	1.48	1.58	1.67	9.39	10.22	10.88	10.55	11.61	12.55
2300	1.02	1.15	1.27	13.03	13.70	14.18	14.54	15.28	15.73
2400	0.80	0.93	1.09	15.16	15.77	16.23	16.16	16.50	16.69
2500	0.70	0.84	0.97	16.24	16.84	17.40	16.66	16.80	16.97
2600	0.64	0.79	0.92	16.65	17.11	17.63	16.46	16.51	16.71
2700	0.62	0.78	0.89	15.95	16.23	16.67	15.57	15.61	15.81
2800	0.60	0.74	0.88	14.99	15.12	15.55	14.63	14.66	14.92
2900	0.60	0.74	0.86	13.96	14.04	14.38	13.62	13.70	13.95
3000	0.65	0.78	0.91	13.13	13.13	13.45	12.93	12.95	13.23
4000	0.41	0.57	0.69	15.30	15.57	15.79	15.73	16.14	16.85
5000	0.50	0.68	0.84	12.96	12.98	13.17	13.58	13.42	13.50
5200	0.62	0.82	0.97	10.83	10.92	11.13	11.21	11.12	11.15
6000	1.34	1.60	1.85	6.50	6.47	6.55	6.60	6.51	6.47
7000	2.29	2.57	2.89	4.27	4.36	4.48	4.34	4.42	4.49
8000	3.41	3.53	3.99	3.00	3.28	3.35	3.63	3.53	4.16
9000	3.84	4.16	4.58	2.48	2.67	2.68	2.71	2.91	2.92
10000	4.07	4.25	4.50	2.34	2.69	2.93	2.54	2.79	2.92
11000	2.93	3.35	3.80	4.04	4.50	5.06	4.90	5.78	7.47
12000	12.14	13.16	14.80	1.09	1.59	2.12	1.42	1.77	2.15
13000	6.54	6.09	5.75	2.50	3.27	4.11	2.62	3.22	3.94

REV. X2
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