

# Coaxial High Pass Filter

# VHF-650+

## 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
1	94.00	96.55	93.70	0.00	0.01	0.00	0.01	0.01	0.01
50	63.60	66.16	63.39	0.01	0.03	0.01	0.01	0.01	0.01
100	65.49	66.19	62.19	0.01	0.02	0.03	0.01	0.01	0.02
265	59.83	57.84	58.90	0.04	0.08	0.09	0.13	0.14	0.17
340	68.17	66.44	66.54	0.16	0.22	0.24	0.17	0.23	0.24
390	48.95	48.08	47.52	0.23	0.32	0.34	0.23	0.30	0.35
420	41.03	40.41	39.90	0.30	0.38	0.42	0.29	0.37	0.42
470	30.44	29.93	29.50	0.41	0.54	0.61	0.43	0.55	0.62
480	28.55	28.02	27.60	0.47	0.59	0.69	0.47	0.61	0.68
495	25.74	25.23	24.79	0.53	0.69	0.78	0.52	0.68	0.77
520	21.26	20.77	20.34	0.71	0.89	1.01	0.68	0.86	1.00
550	16.07	15.63	15.20	0.98	1.23	1.44	1.00	1.23	1.41
585	10.57	10.23	9.87	1.70	2.07	2.41	1.70	2.06	2.42
630	5.11	5.02	4.85	3.97	4.59	5.25	3.97	4.60	5.29
650	3.56	3.57	3.51	5.67	6.39	7.18	5.65	6.40	7.20
660	2.99	3.03	3.01	6.62	7.38	8.24	6.65	7.41	8.27
710	1.51	1.63	1.73	11.47	12.25	13.03	11.45	12.24	13.02
750	1.10	1.25	1.36	13.88	14.54	14.88	13.95	14.59	14.93
760	1.04	1.20	1.31	14.22	14.83	15.05	14.26	14.87	15.10
810	0.86	1.02	1.12	14.80	15.21	15.03	14.95	15.31	15.13
850	0.77	0.91	1.02	14.79	15.09	14.79	14.95	15.18	14.92
1000	0.57	0.67	0.75	15.78	16.01	15.98	15.71	15.92	15.90
1200	0.37	0.47	0.55	24.78	24.52	25.96	24.24	24.01	24.95
1400	0.30	0.42	0.49	23.72	23.35	22.16	23.33	22.84	21.37
1500	0.34	0.45	0.53	17.98	17.75	17.25	17.87	17.56	16.93
1700	0.51	0.62	0.71	12.31	12.28	12.20	12.32	12.27	12.17
1900	0.76	0.89	0.98	9.48	9.35	9.31	9.42	9.27	9.26
2000	0.93	1.06	1.15	8.40	8.26	8.21	8.34	8.22	8.22
2300	1.50	1.65	1.75	6.01	5.97	5.88	5.98	5.93	5.88
2490	1.91	2.07	2.17	4.97	4.96	4.89	4.93	4.92	4.88
2500	1.94	2.09	2.21	4.90	4.90	4.82	4.89	4.87	4.82
3000	3.15	3.34	3.46	3.11	3.16	3.19	3.13	3.14	3.12
3500	4.51	4.74	4.86	2.03	2.11	2.20	2.12	2.14	2.16
4000	5.96	6.27	6.48	1.40	1.48	1.57	1.43	1.48	1.53
4500	7.48	7.89	8.20	0.94	1.03	1.14	0.97	1.06	1.13
5000	9.32	9.77	10.16	0.61	0.76	0.88	0.64	0.80	0.90
5500	11.96	12.37	12.88	0.38	0.57	0.72	0.43	0.60	0.75
6190	25.79	25.80	21.78	0.31	0.63	0.97	0.45	0.78	1.19
6300	21.00	16.27	12.81	0.58	1.14	1.89	0.75	1.41	2.42
6540	4.69	5.26	6.29	6.20	4.87	3.58	9.56	6.81	4.60
7000	11.82	13.30	14.57	0.65	0.77	0.85	0.68	0.74	0.87

REV. X1  
VHF-650+  
071001  
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