

# Coaxial High Pass Filter

# VHF-1500+

## 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	98.00	105.45	102.67	0.01	0.01	0.01	0.00	0.01	0.01
50	57.04	64.48	61.84	0.01	0.01	0.01	0.00	0.01	0.01
100	65.51	65.02	79.35	0.05	0.03	0.04	0.00	0.01	0.04
500	72.57	70.91	72.70	0.05	0.08	0.14	0.04	0.13	0.12
870	60.78	60.31	59.51	0.15	0.21	0.26	0.14	0.22	0.29
1100	52.06	50.20	48.13	0.26	0.36	0.46	0.28	0.38	0.46
1140	44.98	43.49	41.97	0.30	0.40	0.51	0.34	0.45	0.52
1165	41.25	40.02	38.56	0.36	0.47	0.55	0.33	0.44	0.52
1245	31.24	30.27	29.13	0.46	0.55	0.71	0.41	0.55	0.69
1280	27.47	26.54	25.42	0.52	0.67	0.83	0.46	0.58	0.71
1340	21.26	20.32	19.29	0.71	0.89	1.12	0.60	0.76	0.96
1390	16.34	15.50	14.47	0.96	1.22	1.56	0.83	1.08	1.34
1445	11.18	10.39	9.55	1.65	2.10	2.72	1.35	1.72	2.17
1500	6.64	6.10	5.49	3.24	4.15	5.34	2.63	3.33	4.14
1510	5.94	5.43	4.95	3.73	4.74	6.15	3.02	3.80	4.71
1530	4.66	4.30	3.97	4.90	6.20	7.89	3.99	4.90	5.97
1540	4.16	3.88	3.59	5.64	7.07	8.94	4.56	5.53	6.64
1560	3.20	3.07	2.91	7.40	9.12	11.38	5.84	6.94	8.06
1600	2.06	2.11	2.15	11.56	13.55	15.81	8.78	9.74	10.62
1620	1.72	1.82	1.93	13.71	15.44	16.86	10.11	10.87	11.49
1650	1.45	1.60	1.73	15.19	15.87	16.10	11.36	11.79	12.11
1700	1.21	1.40	1.53	14.50	14.49	14.42	12.29	12.43	12.63
1870	0.84	0.98	1.11	14.13	14.49	14.98	13.87	14.34	15.05
2045	0.55	0.69	0.84	18.77	19.04	19.40	19.21	19.75	20.51
2500	0.33	0.46	0.58	23.15	22.91	23.19	23.81	23.48	23.39
3000	0.25	0.38	0.51	28.34	30.57	33.36	27.83	28.43	28.21
3440	0.29	0.43	0.58	19.94	19.99	19.64	19.20	19.20	18.95
3450	0.24	0.38	0.52	19.79	19.87	19.50	19.01	19.01	18.73
4000	0.46	0.59	0.76	12.29	12.21	12.16	12.07	11.95	11.91
4500	0.83	1.01	1.17	8.40	8.53	8.64	8.41	8.44	8.47
5000	1.38	1.52	1.69	6.10	6.30	6.46	6.11	6.24	6.31
5500	1.86	2.06	2.29	4.86	4.96	5.11	4.87	4.95	5.03
6000	2.35	2.62	2.95	4.06	4.10	4.19	4.03	4.08	4.12
6300	2.65	2.93	3.32	3.59	3.64	3.74	3.62	3.66	3.73
7000	3.36	3.60	3.93	2.82	3.01	3.21	2.86	3.06	3.25
7500	3.76	3.92	4.18	2.52	2.78	2.98	2.51	2.82	3.06
8000	4.05	4.22	4.49	2.32	2.56	2.74	2.29	2.59	2.80
8500	4.21	4.43	4.73	2.21	2.45	2.59	2.24	2.52	2.64
9000	4.62	5.19	6.01	2.32	2.78	3.50	2.11	2.32	2.37
9500	3.32	3.54	3.74	3.56	3.63	3.71	3.14	3.38	3.48
10000	3.08	3.18	3.32	3.14	3.61	4.02	3.39	3.89	4.30

REV. X1  
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071001  
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