

Coaxial High Pass Filter

VHF-3500+

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
40	61.89	60.17	60.93	0.04	0.05	0.04	0.00	0.01	0.01
50	59.59	59.86	60.07	0.05	0.07	0.04	0.02	0.03	0.02
100	53.52	53.70	53.13	0.03	0.06	0.03	0.01	0.02	0.02
200	47.59	47.53	47.11	0.03	0.08	0.06	0.02	0.04	0.04
500	39.96	40.01	40.05	0.01	0.06	0.07	0.00	0.03	0.04
1000	36.27	36.35	36.51	0.03	0.12	0.14	0.02	0.07	0.09
1500	38.69	39.10	39.50	0.10	0.19	0.22	0.08	0.15	0.18
2000	46.61	45.18	43.95	0.22	0.32	0.36	0.15	0.23	0.27
2500	31.84	31.82	31.71	0.30	0.41	0.46	0.29	0.39	0.45
2800	34.58	35.93	37.37	0.32	0.46	0.53	0.41	0.54	0.64
2850	37.66	39.64	40.37	0.40	0.54	0.62	0.43	0.58	0.69
2900	41.98	40.20	36.51	0.42	0.57	0.66	0.42	0.58	0.70
3000	31.22	28.43	26.10	0.47	0.64	0.75	0.51	0.71	0.88
3100	22.39	20.68	19.10	0.59	0.80	0.96	0.62	0.86	1.10
3200	16.04	14.77	13.57	0.86	1.15	1.40	0.97	1.30	1.65
3300	10.83	9.84	8.95	1.38	1.83	2.26	1.57	2.08	2.66
3400	6.63	5.96	5.42	2.65	3.42	4.17	2.98	3.87	4.83
3500	3.60	3.30	3.09	5.20	6.43	7.56	5.92	7.44	8.97
3650	1.47	1.55	1.62	12.39	13.89	15.25	15.57	19.08	23.00
3700	1.20	1.33	1.43	14.93	15.92	16.89	21.11	25.47	28.22
3900	0.86	1.04	1.18	15.26	14.81	14.89	16.94	16.06	15.81
4000	0.79	0.97	1.11	14.29	13.96	14.11	15.05	14.55	14.53
4500	0.54	0.71	0.85	15.70	15.98	16.05	15.91	16.18	16.12
5000	0.38	0.54	0.68	22.77	23.24	23.40	25.04	25.29	24.42
5500	0.32	0.48	0.62	22.33	24.20	28.12	25.19	28.33	32.54
6000	0.29	0.47	0.62	24.79	21.47	22.10	26.37	22.60	22.45
7000	0.27	0.46	0.64	22.28	23.27	22.80	22.70	23.82	23.21
8000	0.27	0.48	0.68	27.28	34.94	27.09	29.08	32.23	23.73
8800	0.43	0.75	1.11	16.83	16.71	16.05	15.53	15.27	13.73
9300	1.29	1.24	1.41	16.76	15.05	14.30	10.38	12.01	12.63
9500	1.07	1.43	1.71	12.39	11.92	11.49	10.86	11.38	11.26
9800	1.41	1.53	1.64	8.62	8.56	8.87	8.21	8.48	9.25
11000	1.58	2.06	2.40	5.92	5.62	5.58	6.11	5.76	5.78
12050	1.85	2.36	2.85	5.33	5.09	4.86	5.44	5.05	4.72
13000	2.30	2.05	2.12	5.20	7.08	8.35	5.20	6.95	6.99
14300	2.89	3.38	4.18	6.17	6.27	5.67	4.81	5.33	5.09
14600	5.57	6.05	6.73	2.71	3.21	3.56	2.39	3.05	3.86
16000	13.09	11.54	10.39	0.88	1.64	2.36	1.31	1.60	2.07
17000	4.10	6.23	9.20	5.66	3.73	3.07	7.70	4.12	2.60
18000	9.74	11.64	14.47	1.62	1.30	1.46	3.61	2.82	1.90
19000	13.81	15.66	18.53	2.72	2.62	1.95	1.10	1.40	1.87
20000	17.16	18.68	18.82	3.65	2.67	3.22	0.90	1.11	2.15

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