

Coaxial High Pass Filter

VHF-7150+

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	63.05	66.51	63.82	0.09	0.06	0.10	0.02	0.02	0.01
100	55.23	55.51	55.23	0.03	0.01	0.03	0.00	0.01	0.00
200	49.54	49.40	48.93	0.01	0.01	0.00	0.00	0.02	0.02
300	45.97	45.85	45.67	0.04	0.01	0.02	0.03	0.01	0.00
400	43.40	43.44	43.33	0.00	0.03	0.03	0.00	0.04	0.05
500	41.47	41.42	41.37	0.05	0.02	0.02	0.04	0.00	0.01
600	39.94	39.91	39.92	0.02	0.02	0.02	0.00	0.05	0.07
700	38.67	38.62	38.62	0.03	0.02	0.03	0.03	0.02	0.04
800	37.55	37.52	37.53	0.04	0.00	0.01	0.02	0.04	0.07
900	36.62	36.63	36.67	0.02	0.07	0.08	0.03	0.03	0.07
1000	35.69	35.68	35.73	0.06	0.01	0.00	0.02	0.04	0.08
2000	31.03	31.08	31.09	0.01	0.08	0.11	0.11	0.18	0.22
3000	30.79	30.95	31.03	0.06	0.16	0.19	0.09	0.21	0.29
4000	38.34	38.90	39.38	0.10	0.22	0.25	0.12	0.26	0.38
5000	31.02	30.75	30.47	0.17	0.34	0.44	0.18	0.35	0.49
5100	29.54	29.34	29.12	0.20	0.36	0.46	0.19	0.38	0.53
6000	23.86	24.18	24.46	0.34	0.56	0.74	0.35	0.57	0.84
6150	24.96	25.56	26.20	0.39	0.63	0.82	0.39	0.64	0.91
7000	6.39	5.62	5.04	3.08	4.05	4.99	2.85	3.73	4.50
7150	3.29	3.07	2.88	5.99	7.25	8.52	5.70	6.82	7.82
7900	0.53	0.79	1.00	26.01	23.07	21.03	28.58	25.70	24.39
8000	0.49	0.76	0.98	25.09	22.57	20.26	28.41	25.59	23.80
8500	0.46	0.72	0.95	16.27	17.45	16.49	17.27	18.49	17.36
9000	0.47	0.73	0.94	14.18	14.74	15.31	15.07	15.09	14.79
10000	0.39	0.67	0.91	15.21	15.30	15.10	15.46	15.25	13.88
10500	0.33	0.58	0.82	17.44	20.34	18.82	17.56	20.11	17.45
11000	0.25	0.57	0.82	44.55	27.74	31.05	28.45	31.38	25.93
12000	0.81	1.25	1.51	9.23	9.02	9.28	8.98	9.17	9.72
13000	2.24	3.07	3.82	4.32	4.02	3.54	4.47	4.00	3.62
14000	4.96	4.22	4.10	1.71	2.75	3.13	1.83	2.66	3.13
15000	3.90	4.07	3.55	2.46	2.93	3.94	2.54	2.80	3.68
16000	2.74	2.52	2.94	4.17	5.28	5.53	3.48	4.82	5.31
17000	1.00	1.33	1.80	15.86	25.32	19.03	9.41	13.84	18.61
18000	4.43	6.67	8.52	2.84	2.37	1.80	3.13	2.37	2.31
18100	5.15	7.48	9.60	2.21	1.98	1.57	2.59	1.98	1.97
18200	6.11	8.35	10.53	1.81	1.73	1.37	2.07	1.73	1.73
18300	7.01	9.31	11.57	1.44	1.47	1.22	1.71	1.48	1.51
18400	8.10	10.25	12.53	1.15	1.31	1.13	1.34	1.29	1.40
18500	9.23	11.28	13.52	0.93	1.17	1.01	1.07	1.17	1.30
18600	10.33	12.32	14.53	0.71	1.02	0.98	0.79	1.03	1.23
18700	11.74	13.48	15.50	0.60	0.93	0.96	0.66	0.95	1.16
18800	12.97	14.75	16.67	0.40	0.84	1.00	0.50	0.84	1.12
18900	14.49	16.07	17.91	0.40	0.80	0.94	0.40	0.84	1.07
19000	15.92	17.66	19.44	0.34	0.74	0.93	0.32	0.73	1.04
19100	17.52	19.42	21.20	0.25	0.69	0.96	0.28	0.70	1.03
19200	19.40	21.49	23.40	0.27	0.65	0.90	0.23	0.65	1.01
19300	21.41	24.07	26.33	0.17	0.66	0.97	0.19	0.59	0.97
19400	24.17	27.22	29.94	0.21	0.61	0.97	0.17	0.61	0.97
19500	27.58	31.35	33.46	0.17	0.63	1.03	0.08	0.55	0.98
19600	32.18	33.91	31.95	0.18	0.62	1.06	0.09	0.60	0.96
19700	32.95	30.99	28.25	0.20	0.57	1.05	0.01	0.55	0.97
19800	28.46	27.37	25.26	0.18	0.62	1.12	0.08	0.60	0.94
19900	24.79	24.49	23.00	0.20	0.57	1.16	0.07	0.59	0.94
20000	22.06	22.38	21.23	0.22	0.61	1.25	0.11	0.61	0.93

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