

Coaxial High Pass Filter

VHF-3100+

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	54.49	54.84	55.25	0.00	0.01	0.01	0.01	0.00	0.02
70	51.88	51.71	51.45	0.01	0.00	0.01	0.01	0.01	0.02
80	50.81	50.55	50.29	0.02	0.01	0.01	0.01	0.01	0.02
100	48.81	48.63	48.33	0.02	0.01	0.02	0.00	0.01	0.02
200	42.94	42.74	42.50	0.03	0.01	0.02	0.00	0.02	0.05
300	39.42	39.34	39.23	0.04	0.02	0.03	0.01	0.04	0.07
400	37.11	37.05	36.98	0.04	0.03	0.04	0.03	0.07	0.09
500	35.39	35.39	35.34	0.05	0.03	0.05	0.04	0.09	0.12
600	34.12	34.14	34.13	0.05	0.04	0.06	0.08	0.13	0.17
700	33.19	33.24	33.29	0.05	0.05	0.08	0.10	0.16	0.20
800	32.58	32.60	32.67	0.04	0.06	0.10	0.13	0.20	0.24
900	32.15	32.21	32.30	0.05	0.07	0.11	0.15	0.23	0.27
1000	31.96	32.04	32.17	0.04	0.08	0.13	0.19	0.27	0.31
1100	31.98	32.13	32.29	0.04	0.09	0.14	0.21	0.30	0.34
1200	32.30	32.47	32.66	0.04	0.11	0.15	0.23	0.32	0.36
1300	32.94	33.14	33.37	0.04	0.12	0.16	0.25	0.35	0.39
1400	34.00	34.24	34.49	0.02	0.14	0.18	0.27	0.37	0.41
1500	35.69	35.96	36.26	0.01	0.16	0.20	0.27	0.38	0.43
1600	38.27	38.67	39.07	0.02	0.17	0.22	0.27	0.39	0.43
1700	42.79	43.58	44.22	0.00	0.19	0.23	0.29	0.40	0.46
1800	54.64	56.06	56.44	0.03	0.21	0.28	0.29	0.41	0.47
1810	56.65	57.37	56.33	0.02	0.22	0.27	0.29	0.41	0.47
1900	46.02	45.08	44.22	0.04	0.24	0.29	0.29	0.41	0.49
2000	38.90	38.58	38.21	0.07	0.27	0.31	0.28	0.42	0.49
2100	35.20	35.13	34.92	0.09	0.31	0.35	0.30	0.43	0.52
2200	33.13	33.19	33.11	0.11	0.34	0.39	0.32	0.46	0.57
2300	32.40	32.56	32.63	0.14	0.39	0.46	0.33	0.49	0.61
2400	33.28	33.74	34.07	0.18	0.44	0.52	0.36	0.54	0.67
2450	34.91	35.62	36.21	0.20	0.46	0.56	0.37	0.56	0.70
2500	38.13	39.26	40.03	0.21	0.49	0.59	0.40	0.60	0.75
2600	37.30	34.83	32.96	0.28	0.58	0.72	0.49	0.70	0.88
2700	25.35	24.19	23.16	0.38	0.72	0.92	0.60	0.84	1.04
2800	17.97	17.21	16.46	0.58	0.98	1.25	0.82	1.11	1.35
2920	11.29	10.78	10.18	1.13	1.70	2.16	1.42	1.83	2.21
3000	7.72	7.36	6.94	1.97	2.71	3.35	2.24	2.81	3.33
3100	4.31	4.19	4.03	4.04	5.10	6.01	4.25	5.12	5.86
3400	0.78	1.07	1.24	27.77	31.72	28.63	22.80	24.25	24.08
3500	0.63	0.92	1.08	25.10	26.04	30.80	24.54	26.30	32.28
4000	0.42	0.69	0.86	17.65	19.64	21.71	19.01	21.23	22.78
4500	0.27	0.58	0.77	24.69	27.79	29.97	26.59	33.35	32.05
5000	0.24	0.56	0.75	20.06	23.49	33.24	20.59	24.88	34.76
5500	0.18	0.56	0.79	25.16	21.28	22.19	26.02	21.20	21.06
6000	0.21	0.60	0.84	18.20	18.54	20.23	18.84	18.76	19.56
6500	0.23	0.65	0.93	16.73	16.90	18.21	17.36	16.82	18.49
7000	0.27	0.71	1.07	15.32	16.52	16.40	15.70	16.28	16.66
7500	0.32	0.74	1.01	19.13	19.92	18.11	20.52	20.73	18.38
8000	0.17	0.64	0.96	35.28	28.03	20.77	32.30	27.09	20.10
8500	0.18	0.71	1.01	30.45	32.49	24.76	37.87	59.18	30.40
9000	0.64	1.13	1.36	23.11	21.14	21.96	33.90	32.90	31.50
9500	0.20	0.76	1.12	22.84	21.35	23.37	24.92	21.91	24.28
9900	0.26	0.88	1.31	19.71	16.09	16.77	18.67	15.65	15.68
10000	0.31	0.94	1.37	16.87	15.03	15.95	16.53	14.66	14.36
10500	0.42	0.98	1.43	12.29	13.56	14.57	12.57	13.05	13.82
11000	0.55	1.26	1.79	12.76	12.50	13.49	15.29	16.02	17.77

REV. X2

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