

Ceramic High Pass Filter

HFCN-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
50	59.91	60.08	58.78	0.03	0.02	0.02	0.01	0.01	0.01
100	53.31	53.23	52.94	0.04	0.03	0.03	0.02	0.01	0.01
200	47.47	47.26	47.04	0.03	0.01	0.00	0.01	0.01	0.02
500	39.77	39.85	39.83	0.04	0.01	0.02	0.03	0.00	0.02
1000	35.91	35.96	36.12	0.01	0.05	0.09	0.00	0.05	0.08
1500	37.56	37.96	38.36	0.07	0.14	0.19	0.07	0.13	0.17
2000	52.98	49.79	47.86	0.19	0.27	0.33	0.14	0.23	0.26
2500	32.40	32.26	32.25	0.29	0.38	0.45	0.29	0.39	0.45
2800	34.36	35.48	36.63	0.32	0.44	0.52	0.42	0.56	0.66
2850	36.84	38.30	38.86	0.40	0.52	0.61	0.43	0.59	0.70
2900	39.48	38.50	35.95	0.41	0.55	0.65	0.43	0.59	0.71
3000	31.05	28.37	26.19	0.46	0.62	0.74	0.53	0.73	0.88
3100	22.70	20.92	19.38	0.57	0.76	0.93	0.63	0.88	1.09
3200	16.41	15.06	13.86	0.81	1.09	1.35	0.94	1.29	1.62
3300	11.15	10.09	9.18	1.27	1.71	2.17	1.50	2.04	2.57
3400	6.88	6.16	5.57	2.47	3.23	4.02	2.85	3.76	4.68
3500	3.73	3.41	3.17	4.96	6.16	7.37	5.75	7.31	8.83
3650	1.53	1.63	1.69	12.17	13.49	14.91	15.91	20.02	24.94
3700	1.27	1.40	1.51	14.62	15.34	16.33	22.33	27.80	30.47
3900	0.98	1.18	1.31	14.21	13.69	13.76	15.90	15.01	14.66
4000	0.93	1.13	1.26	13.21	12.85	12.91	14.06	13.52	13.34
4500	0.76	0.93	1.08	13.76	13.97	13.82	13.80	13.98	13.76
5000	0.61	0.77	0.92	19.17	18.90	18.30	18.43	18.39	18.05
5500	0.56	0.73	0.91	26.53	27.15	25.99	22.43	23.92	23.45
6000	0.57	0.74	0.88	39.85	34.15	35.48	27.43	25.54	25.15
7000	0.50	0.71	0.90	24.07	24.40	25.80	23.44	23.22	23.17
8000	0.42	0.62	0.79	23.33	28.95	30.21	23.70	37.59	29.16
8800	0.44	0.76	1.09	20.66	19.30	18.08	19.25	18.15	15.93
9300	1.21	1.15	1.32	21.47	19.00	17.46	12.44	14.82	15.22
9500	0.96	1.29	1.56	15.29	14.70	13.92	13.09	13.90	13.43
9800	1.21	1.30	1.45	10.58	10.61	10.78	9.84	10.52	11.24
11000	1.62	2.11	2.42	7.16	6.69	6.75	7.46	6.87	6.86
12050	2.19	2.69	3.11	6.28	5.87	5.64	6.49	6.03	5.57
13000	2.56	2.29	2.51	5.81	7.72	8.50	5.61	7.71	7.88
14300	4.56	5.68	6.73	6.50	6.40	6.24	5.20	5.79	5.61
14600	9.11	10.48	11.53	3.64	4.15	4.60	3.38	4.29	5.33
16000	10.19	10.02	9.85	3.34	4.24	4.60	6.05	4.80	4.90
17000	5.35	7.24	8.98	7.10	6.57	6.62	9.90	6.07	4.37
18000	8.88	9.66	11.31	5.94	4.87	4.90	4.22	4.47	3.49
19000	9.64	10.28	11.63	6.72	4.50	3.56	2.43	3.59	4.40
20000	11.33	11.76	10.86	2.43	3.08	4.06	1.77	2.42	4.19

REV. X1

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