

# Ceramic High Pass Filter

# HFCN-5050D+

## 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	62.02	59.47	60.41	0.02	0.02	0.02	0.01	0.00	0.00
100	55.06	54.34	54.53	0.05	0.04	0.03	0.02	0.01	0.01
200	49.19	49.01	48.87	0.04	0.02	0.02	0.01	0.01	0.02
500	41.15	41.23	41.24	0.05	0.02	0.00	0.04	0.01	0.00
1000	35.81	35.84	35.93	0.05	0.01	0.05	0.03	0.01	0.03
2000	33.05	33.28	33.44	0.07	0.15	0.18	0.03	0.10	0.13
2500	35.56	36.10	36.39	0.10	0.18	0.20	0.09	0.16	0.19
3000	48.43	50.22	51.83	0.12	0.21	0.25	0.13	0.23	0.26
3600	32.21	31.87	31.45	0.22	0.34	0.41	0.22	0.34	0.41
4000	28.09	28.45	28.63	0.24	0.38	0.51	0.30	0.43	0.52
4200	29.60	30.58	31.40	0.28	0.45	0.61	0.35	0.50	0.60
4400	36.21	34.45	31.82	0.36	0.55	0.75	0.42	0.59	0.73
4500	28.81	26.10	23.98	0.46	0.67	0.89	0.47	0.67	0.84
4600	21.50	19.59	18.04	0.57	0.82	1.08	0.59	0.83	1.05
4700	15.92	14.42	13.18	0.76	1.08	1.43	0.79	1.11	1.43
4800	11.21	10.02	9.04	1.22	1.68	2.20	1.23	1.72	2.23
4950	5.62	4.93	4.43	3.03	4.03	5.04	3.15	4.16	5.22
5000	4.28	3.79	3.45	4.30	5.56	6.77	4.36	5.69	7.05
5050	3.16	2.88	2.69	5.91	7.44	8.88	6.13	7.77	9.47
5200	1.49	1.58	1.67	14.18	16.31	17.40	15.17	19.23	23.79
5400	1.09	1.30	1.47	18.86	16.48	15.68	19.23	17.35	16.65
5500	1.09	1.32	1.49	15.97	14.60	14.22	15.77	14.85	14.68
5650	1.04	1.27	1.43	14.25	13.53	13.42	13.75	13.45	13.57
6000	1.00	1.16	1.33	15.70	15.60	15.38	14.55	15.22	15.65
6500	0.78	0.94	1.09	20.87	24.11	24.01	20.28	24.55	27.08
7000	0.66	0.89	1.05	24.95	23.24	22.18	37.16	26.38	22.27
8000	0.77	0.93	1.07	14.71	16.84	18.17	14.29	16.34	17.65
9000	0.48	0.70	0.87	20.56	21.24	21.94	18.19	19.81	22.42
9700	0.37	0.62	0.80	22.61	26.63	30.22	21.04	24.81	34.50
10000	0.40	0.68	0.85	17.57	17.79	19.74	17.67	18.28	21.45
10700	0.78	1.22	1.48	10.68	10.16	9.84	11.23	10.31	10.21
12000	2.54	3.02	3.40	5.21	5.00	4.89	5.30	5.02	4.70
13000	4.06	3.80	3.83	3.34	4.04	4.42	3.16	4.07	4.35
14000	3.75	3.06	2.65	4.01	6.22	9.26	3.89	5.97	8.56
15000	5.61	7.53	8.41	6.56	6.00	5.78	6.48	6.31	6.87
16000	10.79	12.52	13.45	4.05	4.25	3.86	4.75	3.55	3.23
17000	12.83	12.28	12.33	2.25	3.35	4.38	2.46	2.74	2.39
18000	8.45	7.23	6.99	3.80	4.18	4.68	1.99	3.72	4.33
19000	4.14	5.32	6.79	16.91	7.85	5.12	5.66	8.07	8.26
20000	8.48	8.23	7.88	4.47	5.59	5.95	3.37	4.32	5.88

REV. X1

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