

# Ceramic High Pass Filter

# HFCN-1910D+

## 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
1	84.52	90.73	82.00	0.00	0.01	0.01	0.00	0.01	0.01
50	69.41	75.59	66.98	0.00	0.01	0.01	0.00	0.01	0.01
100	69.54	87.69	74.07	0.01	0.01	0.00	0.01	0.02	0.01
290	67.18	62.97	68.59	0.01	0.03	0.08	0.02	0.04	0.05
500	62.69	63.78	62.84	0.03	0.07	0.11	0.02	0.05	0.08
855	74.58	84.86	90.06	0.07	0.16	0.21	0.09	0.17	0.20
900	70.27	68.45	66.73	0.11	0.19	0.25	0.10	0.15	0.19
945	61.35	60.27	59.66	0.11	0.19	0.25	0.12	0.19	0.21
1040	50.85	50.40	49.72	0.16	0.24	0.30	0.14	0.22	0.26
1075	47.92	47.37	46.90	0.19	0.27	0.33	0.16	0.22	0.27
1100	45.90	45.42	44.98	0.18	0.27	0.32	0.18	0.25	0.31
1170	40.57	40.21	39.73	0.21	0.29	0.37	0.21	0.28	0.34
1325	30.40	29.98	29.48	0.32	0.41	0.51	0.30	0.40	0.46
1400	25.77	25.38	24.87	0.36	0.50	0.58	0.39	0.49	0.58
1490	20.44	19.98	19.54	0.49	0.63	0.76	0.53	0.65	0.78
1665	10.20	9.89	9.51	1.26	1.54	1.83	1.37	1.64	1.93
1775	4.99	4.80	4.63	3.20	3.71	4.30	3.43	4.00	4.65
1840	2.90	2.89	2.83	5.50	6.28	7.12	5.91	6.79	7.77
1910	1.64	1.73	1.79	9.11	10.16	11.23	9.78	11.05	12.42
1950	1.27	1.40	1.48	11.44	12.59	13.72	12.40	13.88	15.50
2000	0.99	1.13	1.24	14.42	15.54	16.79	15.73	17.36	19.11
2050	0.81	0.97	1.09	17.13	18.06	19.24	18.74	20.10	21.70
2100	0.71	0.87	1.02	19.28	19.89	21.03	20.83	21.46	22.57
2150	0.65	0.81	0.93	20.46	20.77	21.96	21.95	22.02	22.88
2200	0.60	0.75	0.89	21.47	21.69	23.05	22.40	22.25	23.00
2400	0.49	0.66	0.77	22.54	23.13	23.98	22.27	22.49	22.95
2700	0.40	0.55	0.69	20.94	21.20	21.65	20.61	20.65	20.71
3500	0.32	0.48	0.62	25.00	25.68	28.34	25.17	24.92	26.44
4000	0.30	0.49	0.64	22.10	22.36	21.76	21.81	21.60	20.22
4400	0.45	0.67	0.84	15.77	15.15	14.60	15.63	14.97	14.32
4450	0.52	0.73	0.95	15.46	14.54	14.14	15.40	14.43	14.11
4500	0.53	0.76	0.94	14.35	13.81	13.20	14.29	13.73	13.01
5000	0.86	1.13	1.28	9.70	9.64	9.65	9.69	9.48	9.34
5200	1.07	1.37	1.48	8.64	8.58	8.73	8.67	8.38	8.39
6000	2.34	2.70	2.99	5.09	5.31	5.24	4.91	4.96	4.79
7000	4.15	4.34	4.75	3.18	3.23	3.26	2.85	3.07	3.24
8000	6.17	6.06	6.39	2.17	2.44	2.74	2.10	2.37	2.67
9000	6.56	7.10	7.58	1.68	1.84	1.97	1.74	1.88	1.90
10000	7.74	7.97	8.24	1.28	1.56	1.79	1.33	1.55	1.68
11000	13.56	13.51	14.14	2.01	1.72	1.80	0.94	1.19	1.40
12000	10.79	8.83	7.54	1.52	2.67	4.08	1.75	2.47	3.40
13000	1.74	2.15	3.25	8.91	10.55	11.70	7.59	8.70	8.24

REV. X1

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