

# Ceramic High Pass Filter

# HFCN-1500D+

## 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	96.15	105.45	107.90	0.02	0.01	0.02	0.01	0.01	0.02
50	61.07	72.31	74.03	0.06	0.02	0.05	0.01	0.01	0.03
100	66.09	63.65	69.00	0.04	0.03	0.09	0.03	0.00	0.00
500	59.66	59.75	59.91	0.04	0.07	0.16	0.05	0.10	0.13
870	48.63	48.51	48.45	0.15	0.20	0.27	0.17	0.23	0.28
1060	47.35	48.22	48.69	0.27	0.37	0.44	0.23	0.33	0.41
1100	50.33	51.58	52.59	0.27	0.37	0.47	0.28	0.40	0.46
1140	56.91	53.96	50.27	0.33	0.41	0.53	0.33	0.44	0.50
1165	50.32	46.53	44.13	0.37	0.46	0.59	0.34	0.44	0.55
1245	33.69	32.22	30.86	0.43	0.59	0.71	0.43	0.55	0.65
1250	33.02	31.52	30.18	0.47	0.62	0.76	0.43	0.55	0.66
1280	29.05	27.76	26.53	0.54	0.69	0.85	0.45	0.58	0.73
1340	21.98	20.94	19.85	0.70	0.91	1.12	0.57	0.75	0.94
1390	16.84	15.86	14.81	0.93	1.21	1.54	0.81	1.03	1.30
1445	11.48	10.57	9.73	1.58	2.06	2.69	1.32	1.71	2.16
1500	6.82	6.21	5.65	3.14	4.10	5.22	2.53	3.26	4.07
1510	6.12	5.55	5.04	3.58	4.69	5.96	2.93	3.71	4.59
1530	4.80	4.40	4.06	4.73	6.10	7.67	3.86	4.79	5.84
1540	4.23	3.93	3.67	5.43	6.95	8.64	4.39	5.45	6.51
1550	3.78	3.50	3.31	6.22	7.90	9.83	4.98	6.14	7.25
1560	3.34	3.10	2.99	7.14	8.95	11.07	5.73	6.84	8.02
1600	2.09	2.13	2.16	11.17	13.39	15.61	8.58	9.68	10.57
1620	1.75	1.83	1.95	13.38	15.45	16.97	9.98	10.83	11.55
1650	1.48	1.62	1.72	15.21	16.13	16.49	11.38	11.82	12.23
1700	1.23	1.38	1.53	14.72	14.71	14.73	12.38	12.50	12.79
1850	0.87	1.00	1.13	13.82	14.16	14.59	13.37	13.80	14.42
1870	0.86	1.01	1.10	14.09	14.42	14.91	13.72	14.19	14.84
2045	0.57	0.69	0.84	18.36	18.68	19.11	18.63	19.19	19.98
2500	0.35	0.47	0.60	23.45	23.09	23.17	24.35	23.80	23.51
3000	0.28	0.43	0.55	26.40	27.95	30.03	27.51	28.14	27.88
3440	0.32	0.50	0.61	23.31	23.27	23.33	22.85	22.88	22.46
3450	0.27	0.45	0.55	23.01	22.96	23.13	22.63	22.65	22.26
4000	0.45	0.65	0.78	14.66	14.48	14.53	14.44	14.16	14.17
4400	0.74	0.94	1.07	10.69	10.72	11.02	10.56	10.52	10.68
4500	0.78	0.99	1.11	9.86	10.06	10.12	9.79	9.85	9.84
5000	1.32	1.54	1.70	7.14	7.52	7.56	7.02	7.25	7.16
5500	1.86	2.10	2.27	5.72	5.93	6.03	5.53	5.68	5.72
6000	2.34	2.64	2.99	4.77	4.86	4.85	4.55	4.62	4.59
6300	2.66	3.06	3.32	4.35	4.27	4.48	4.16	4.15	4.35
7000	3.59	3.85	4.16	3.31	3.53	3.71	3.18	3.43	3.67
7500	4.08	4.30	4.57	2.89	3.14	3.34	2.77	3.02	3.23
8000	4.55	4.68	4.92	2.74	2.95	3.05	2.47	2.81	2.99
8500	4.69	4.99	5.33	2.48	2.72	2.83	2.42	2.69	2.80
9000	5.37	5.89	6.70	2.53	2.98	3.83	2.26	2.37	2.56
9500	3.99	4.19	4.37	3.58	3.64	3.76	3.15	3.23	3.44
10000	3.81	3.81	3.93	3.05	3.52	3.97	3.16	3.63	4.07

REV. X1

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