

# Ceramic High Pass Filter

# HFCN-650+

## 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	101.80	96.55	96.41	0.00	0.01	0.00	0.01	0.01	0.01
50	72.57	67.30	67.17	0.01	0.01	0.01	0.01	0.00	0.01
100	59.90	64.74	64.68	0.02	0.03	0.04	0.01	0.02	0.02
265	54.58	55.31	55.17	0.05	0.10	0.12	0.11	0.12	0.16
340	58.99	59.83	60.26	0.16	0.22	0.25	0.16	0.20	0.26
390	53.02	51.73	50.79	0.23	0.31	0.35	0.23	0.29	0.36
420	42.79	42.01	41.42	0.30	0.38	0.43	0.29	0.37	0.42
470	31.08	30.50	30.02	0.43	0.54	0.61	0.43	0.53	0.63
480	29.11	28.47	28.02	0.48	0.60	0.69	0.48	0.57	0.68
495	26.13	25.58	25.13	0.53	0.69	0.80	0.52	0.67	0.78
520	21.54	20.99	20.54	0.73	0.91	1.03	0.66	0.85	0.98
550	16.25	15.77	15.33	0.98	1.22	1.44	0.98	1.21	1.43
585	10.69	10.32	9.96	1.68	2.07	2.41	1.69	2.05	2.42
630	5.19	5.06	4.89	3.90	4.53	5.20	3.91	4.53	5.22
650	3.60	3.61	3.55	5.56	6.27	7.13	5.57	6.30	7.12
660	3.02	3.06	3.03	6.50	7.28	8.17	6.52	7.29	8.19
710	1.50	1.66	1.75	11.29	12.08	12.93	11.28	12.09	12.92
750	1.10	1.26	1.36	13.80	14.47	14.87	13.86	14.52	14.89
760	1.04	1.19	1.31	14.18	14.77	15.06	14.22	14.81	15.09
810	0.86	1.00	1.12	14.87	15.31	15.12	15.03	15.41	15.25
850	0.77	0.90	1.02	14.92	15.28	14.96	15.07	15.37	15.07
1000	0.55	0.68	0.76	16.12	16.35	16.30	15.99	16.22	16.23
1200	0.35	0.47	0.55	25.04	24.71	26.33	24.42	24.08	25.23
1400	0.30	0.42	0.49	24.61	24.32	22.74	24.21	23.70	21.87
1500	0.33	0.44	0.52	18.72	18.51	17.84	18.60	18.31	17.50
1700	0.46	0.59	0.68	12.98	12.94	12.76	12.97	12.91	12.73
1900	0.71	0.85	0.92	10.05	9.92	9.87	10.00	9.84	9.81
2000	0.86	0.99	1.08	9.02	8.84	8.78	8.93	8.77	8.79
2300	1.36	1.52	1.62	6.52	6.44	6.35	6.48	6.42	6.35
2490	1.76	1.89	2.03	5.46	5.45	5.36	5.41	5.40	5.34
2500	1.76	1.90	2.04	5.40	5.37	5.27	5.35	5.34	5.25
3000	2.92	3.07	3.22	3.52	3.53	3.61	3.51	3.50	3.52
3500	4.28	4.42	4.65	2.41	2.41	2.56	2.45	2.40	2.50
4000	5.49	5.86	6.06	1.69	1.79	1.84	1.69	1.75	1.79
4500	7.19	7.44	7.93	1.27	1.33	1.46	1.24	1.32	1.41
5000	8.85	9.22	9.89	0.80	1.05	1.10	0.80	1.03	1.08
5500	11.36	11.78	12.19	0.70	0.89	0.99	0.68	0.86	0.98
6190	23.99	28.44	27.49	0.65	0.88	1.24	0.70	1.01	1.44
6300	26.92	19.92	14.58	0.78	1.39	2.11	0.90	1.59	2.63
6540	5.49	5.81	6.83	6.82	5.41	4.07	9.97	7.37	5.09
7000	11.92	13.15	15.13	0.96	1.05	1.12	0.93	1.05	1.16

REV. X1  
HFCN-650+  
070930  
Page 1 of 1



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