

Ceramic High Pass Filter

HFCN-440+

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
40	88.21	87.09	88.76	0.00	0.00	0.00	0.00	0.00	0.00
50	88.51	86.96	87.58	0.00	0.01	0.01	0.00	0.01	0.01
60	87.37	87.76	88.13	0.00	0.01	0.01	0.00	0.01	0.01
70	87.93	86.61	86.80	0.01	0.01	0.02	0.01	0.02	0.02
80	86.70	85.78	87.48	0.01	0.02	0.02	0.01	0.02	0.03
90	85.63	85.82	85.35	0.02	0.03	0.03	0.01	0.03	0.03
100	83.39	82.91	82.45	0.02	0.03	0.04	0.02	0.03	0.04
200	53.36	53.09	52.82	0.12	0.16	0.19	0.13	0.17	0.21
230	47.62	47.49	47.34	0.18	0.23	0.27	0.18	0.23	0.28
300	43.11	43.63	44.00	0.43	0.53	0.60	0.41	0.51	0.59
350	29.96	28.82	27.91	0.85	1.05	1.21	0.75	0.94	1.09
400	10.18	9.67	9.25	3.04	3.86	4.64	2.48	3.10	3.69
440	2.58	2.77	2.92	18.10	22.90	31.22	11.61	12.60	13.30
500	1.26	1.43	1.57	15.24	15.78	15.86	15.59	16.48	17.01
600	0.67	0.81	0.91	23.64	22.81	21.60	27.19	25.93	24.43
650	0.59	0.70	0.80	19.92	20.01	18.97	20.53	20.69	19.63
700	0.54	0.64	0.72	17.97	18.58	17.81	18.22	18.85	18.12
750	0.49	0.58	0.66	17.72	18.46	17.88	17.82	18.58	18.01
800	0.44	0.53	0.60	18.49	19.19	18.77	18.57	19.21	18.88
810	0.43	0.52	0.59	18.71	19.45	18.99	18.77	19.44	19.10
820	0.43	0.51	0.58	18.98	19.70	19.30	19.08	19.69	19.43
830	0.41	0.50	0.56	19.28	20.02	19.57	19.29	19.97	19.64
840	0.40	0.49	0.55	19.65	20.35	19.92	19.59	20.27	19.94
850	0.39	0.48	0.54	20.07	20.71	20.33	19.95	20.62	20.31
860	0.38	0.47	0.53	20.55	21.10	20.79	20.38	21.00	20.73
870	0.37	0.46	0.52	21.07	21.53	21.29	20.85	21.40	21.20
880	0.36	0.45	0.51	21.64	22.00	21.83	21.37	21.85	21.73
890	0.35	0.44	0.50	22.25	22.51	22.40	21.92	22.32	22.31
900	0.34	0.43	0.49	22.87	23.07	22.97	22.50	22.83	22.91
910	0.33	0.42	0.48	23.53	23.67	23.56	23.11	23.39	23.55
920	0.33	0.42	0.48	24.27	24.33	24.21	23.77	24.01	24.25
930	0.32	0.41	0.47	25.09	25.06	24.90	24.46	24.68	24.98
940	0.32	0.40	0.46	26.01	25.85	25.69	25.20	25.41	25.77
950	0.31	0.40	0.45	27.13	26.73	26.60	26.01	26.20	26.62
960	0.30	0.39	0.44	28.47	27.68	27.64	26.89	27.06	27.55
970	0.29	0.38	0.44	30.06	28.74	28.82	27.85	28.01	28.61
980	0.29	0.38	0.43	31.99	29.91	30.08	28.87	29.02	29.74
990	0.28	0.37	0.43	34.32	31.17	31.29	29.94	30.11	30.91
1000	0.28	0.37	0.42	37.14	32.55	32.28	30.92	31.23	31.98
1100	0.26	0.34	0.40	26.76	27.63	25.46	26.07	27.42	25.65
1200	0.27	0.35	0.41	20.11	20.60	19.53	20.04	20.62	19.67
1300	0.32	0.40	0.46	16.38	16.72	16.03	16.48	16.84	16.18
1400	0.38	0.47	0.53	13.89	14.08	13.60	14.09	14.26	13.79
1500	0.48	0.57	0.63	12.01	12.13	11.82	12.19	12.30	12.01
1600	0.59	0.68	0.74	10.59	10.65	10.44	10.71	10.77	10.59
1700	0.69	0.81	0.86	9.63	9.49	9.42	9.72	9.57	9.54
1800	0.84	0.95	1.00	8.80	8.57	8.62	8.87	8.62	8.72
1900	0.95	1.09	1.12	7.89	7.80	7.81	7.94	7.84	7.90
2000	1.09	1.25	1.25	7.21	7.10	7.17	7.27	7.18	7.29
2100	1.24	1.41	1.42	6.63	6.49	6.56	6.69	6.57	6.67
2200	1.41	1.60	1.60	6.17	5.95	6.08	6.24	6.03	6.20
2300	1.57	1.78	1.78	5.63	5.48	5.54	5.67	5.54	5.65
2400	1.74	1.96	1.94	5.20	5.09	5.15	5.19	5.10	5.21
2500	1.94	2.14	2.14	4.82	4.75	4.80	4.77	4.74	4.82

REV. X1
HFCN-440+
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Page 1 of 1