

Ceramic High Pass Filter

HFCN-1810D+

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	100.00	94.72	91.00	0.01	0.01	0.01	0.02	0.01	0.03
50	71.41	65.70	61.98	0.01	0.00	0.01	0.02	0.01	0.03
100	71.66	74.52	81.28	0.00	0.01	0.01	0.01	0.01	0.01
500	63.58	62.74	63.71	0.04	0.06	0.11	0.02	0.06	0.07
700	57.85	57.90	57.74	0.06	0.13	0.15	0.05	0.11	0.13
1100	45.84	45.78	45.58	0.18	0.26	0.33	0.18	0.25	0.28
1190	44.44	44.48	44.57	0.24	0.32	0.40	0.22	0.29	0.33
1350	54.34	55.79	53.44	0.33	0.44	0.53	0.31	0.40	0.46
1390	52.07	47.92	43.78	0.38	0.51	0.61	0.34	0.44	0.51
1415	45.06	42.06	39.16	0.37	0.50	0.64	0.35	0.46	0.52
1480	34.02	32.05	30.18	0.48	0.66	0.80	0.40	0.54	0.63
1570	23.19	21.87	20.25	0.65	0.90	1.14	0.57	0.75	0.87
1625	17.88	16.58	15.15	0.90	1.23	1.60	0.73	0.95	1.16
1680	12.95	11.76	10.48	1.35	1.87	2.53	1.06	1.42	1.80
1760	6.78	5.97	5.18	3.07	4.28	5.79	2.46	3.24	4.10
1810	4.04	3.63	3.28	5.50	7.29	9.37	4.41	5.49	6.55
1820	3.63	3.29	3.04	6.10	7.98	10.07	4.91	6.01	7.05
1950	1.31	1.52	1.66	13.36	13.08	12.46	11.07	11.00	10.76
2170	0.75	0.94	1.08	14.99	14.95	14.50	14.59	14.77	14.50
2250	0.62	0.78	0.93	16.89	16.93	16.58	16.60	16.88	16.68
2600	0.37	0.54	0.65	30.73	29.65	30.01	30.88	30.25	30.54
3750	0.50	0.69	0.80	13.22	13.59	13.67	13.24	13.50	13.43
3800	0.50	0.72	0.82	12.87	13.08	13.26	12.87	12.95	12.99
3850	0.52	0.74	0.85	12.32	12.58	12.71	12.40	12.53	12.48
4000	0.65	0.87	0.97	10.95	11.19	11.25	11.11	11.28	11.22
4500	1.13	1.39	1.49	8.03	7.98	8.09	8.05	8.00	8.12
4750	1.38	1.66	1.76	6.77	6.84	6.99	6.88	6.90	6.97
5000	1.71	1.98	2.10	5.93	5.99	6.21	6.00	6.00	6.14
5500	2.58	2.71	2.88	4.39	4.73	5.08	4.47	4.73	4.86
6000	3.18	3.63	3.85	3.61	3.80	4.04	3.64	3.78	3.77
6500	3.92	4.35	4.75	3.10	3.16	3.29	3.01	3.15	3.21
7000	4.63	4.89	5.22	2.63	2.78	2.78	2.54	2.75	2.80
7500	5.33	5.47	5.88	2.22	2.47	2.62	2.20	2.46	2.67
8000	5.95	6.23	6.11	2.03	2.30	2.58	2.09	2.26	2.52
8500	6.31	6.56	6.93	1.65	2.05	2.27	1.70	2.03	2.18
9210	7.04	7.88	8.08	1.74	2.10	3.00	1.80	2.00	2.53
10000	6.44	6.51	6.60	1.60	2.01	2.39	1.56	1.95	2.12
10760	5.75	6.06	6.26	2.03	2.20	2.51	1.95	2.36	2.67
11000	5.38	5.98	6.62	2.16	2.30	2.48	2.41	3.01	4.17
11230	5.65	7.60	9.21	2.13	2.14	2.22	4.33	8.89	12.79
12000	5.16	5.10	5.31	2.24	3.27	4.36	2.59	3.17	3.48

REV. X1

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