

Ceramic High Pass Filter

HFCN-1810+

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
HFCN-1810+
070930
Page 1 of 1



IF/RF MICROWAVE COMPONENTS • ISO 9001 ISO 14001 AS 9100 CERTIFIED • RoHS compliant

P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661



The Design Engineers Search Engine finds the model you need, Instantly • For detailed performance specs & shopping online see

