

# Ceramic Highpass Filter

Typical Performance Data

# HFCN-3052+

FREQUENCY (GHz)	INSERTION LOSS (dB)			RETURN LOSS (dB)		
	@-55°C	@+25°C	@+125°C	@-55°C	@+25°C	@+125°C
0.1	66.10	65.80	65.71	-0.03	-0.03	-0.04
0.5	51.82	51.98	51.64	-0.11	-0.11	-0.10
1.0	45.87	45.98	45.79	-0.09	-0.08	-0.04
2.0	40.27	40.35	40.17	0.12	0.13	0.19
3.0	36.70	36.83	36.50	0.16	0.17	0.22
4.0	33.75	33.89	33.58	0.07	0.08	0.12
5.0	31.51	31.59	31.38	0.06	0.09	0.16
6.0	29.80	29.90	29.68	0.12	0.17	0.25
7.0	28.15	28.24	28.07	0.19	0.21	0.28
8.0	26.47	26.56	26.36	0.14	0.17	0.25
9.0	24.87	24.96	24.80	0.08	0.13	0.24
10.0	23.43	23.46	23.42	0.13	0.18	0.30
11.0	22.17	22.20	22.12	0.23	0.28	0.39
12.0	20.99	21.09	20.95	0.26	0.33	0.44
13.0	19.75	19.78	19.75	0.25	0.27	0.37
14.0	18.50	18.55	18.49	0.15	0.21	0.37
15.0	17.48	17.49	17.60	0.16	0.26	0.44
16.0	16.79	16.72	16.87	0.28	0.35	0.49
17.0	16.08	16.17	16.09	0.39	0.44	0.61
18.0	15.77	15.79	15.97	0.55	0.62	0.78
19.0	15.48	15.33	15.72	0.40	0.48	0.71
20.0	15.30	15.12	15.63	0.19	0.33	0.60
21.0	16.25	15.96	16.78	0.38	0.48	0.66
22.0	18.61	18.05	19.36	0.51	0.62	0.88
23.0	23.81	22.27	26.14	0.58	0.73	0.98
24.0	26.30	30.81	22.32	0.66	0.87	1.26
25.0	13.72	15.44	11.97	1.01	1.32	1.94
26.0	7.06	7.98	6.19	2.09	2.66	3.56
27.0	3.39	3.88	3.00	4.58	5.69	7.31
28.0	1.74	1.79	1.74	9.55	10.84	12.46
29.0	1.19	1.08	1.36	16.65	18.29	20.51
30.5	1.02	0.91	1.23	25.53	27.62	28.02
31.0	0.95	0.86	1.16	31.79	31.46	29.02
32.0	0.82	0.70	1.02	46.67	31.14	31.48
33.0	0.73	0.61	0.94	25.39	28.32	30.99
34.0	0.70	0.56	0.93	31.09	26.37	24.49
35.0	0.91	0.79	1.15	22.96	25.66	29.15
36.0	1.08	1.01	1.28	26.42	27.77	25.35
37.0	1.07	0.92	1.32	26.84	23.82	24.50
38.0	0.86	0.72	1.13	20.21	22.90	25.05
39.0	0.71	0.53	1.06	22.22	23.53	22.79
40.0	1.02	0.85	1.32	20.63	20.74	24.22
41.0	1.23	1.09	1.45	20.29	23.64	25.98
42.0	1.30	1.18	1.50	27.27	24.70	24.44
43.0	1.25	1.10	1.55	20.76	21.87	25.54
44.0	1.16	1.00	1.54	20.47	23.11	23.21
45.0	1.11	0.93	1.46	23.35	21.93	22.10
46.0	1.19	1.03	1.47	18.03	19.63	20.34
47.0	1.46	1.28	1.74	20.91	19.18	17.87
48.0	1.65	1.48	2.01	17.96	17.99	17.53
49.0	1.65	1.48	2.06	15.75	16.84	16.12
50.0	1.58	1.36	2.02	17.76	15.52	15.02
51.0	1.57	1.41	1.96	14.00	15.59	15.74
52.0	1.83	1.63	2.17	15.46	15.68	14.21
53.0	2.02	1.76	2.34	16.32	15.15	16.26
54.0	2.03	1.88	2.41	15.22	19.11	20.66
55.0	2.17	2.05	2.58	25.67	24.57	23.72
56.0	2.19	1.96	2.68	23.21	29.29	29.26
57.0	2.19	1.84	2.78	28.00	20.32	18.77
58.0	2.71	2.18	3.55	14.38	15.65	13.61
59.0	3.50	3.24	4.30	14.12	11.61	9.51
60.0	4.19	3.94	4.73	9.44	8.69	8.54
61.0	4.46	4.24	5.10	7.09	7.51	6.81
62.0	4.61	3.92	5.65	8.04	6.55	5.92
63.0	5.24	4.73	6.12	5.02	5.31	6.19
64.0	5.94	5.53	6.66	5.46	5.55	5.50
65.0	5.91	5.22	6.64	6.72	5.80	5.67