

# LTCC Lowpass Filter

Typical Performance Data

# BFHK-1742+

FREQUENCY (GHz)	INSERTION LOSS (dB)			RETURN LOSS (dB)		
	@-55°C	@+25°C	@+125°C	@-55°C	@+25°C	@+125°C
0.1	120.07	108.90	107.45	0.03	0.05	0.06
0.5	109.72	103.69	106.79	0.11	0.12	0.14
1.0	117.90	114.58	119.78	0.12	0.13	0.16
1.5	126.65	111.36	106.49	0.07	0.07	0.10
2.0	108.75	112.78	108.57	0.00	-0.01	0.02
2.5	106.22	109.31	123.24	-0.06	-0.07	-0.05
3.0	112.35	109.84	112.48	-0.10	-0.11	-0.09
3.5	109.18	109.98	108.25	-0.11	-0.11	-0.09
4.0	122.00	117.68	110.95	-0.07	-0.07	-0.06
4.5	107.97	120.01	112.58	0.00	0.01	0.02
5.0	107.51	107.51	109.56	0.08	0.08	0.10
5.5	111.23	107.14	108.73	0.15	0.15	0.18
6.0	107.66	109.53	111.01	0.20	0.20	0.23
6.5	101.58	106.75	113.41	0.23	0.20	0.24
7.0	98.27	111.64	112.93	0.18	0.16	0.22
7.5	102.12	110.88	104.47	0.12	0.11	0.20
8.0	104.46	107.19	109.05	0.06	0.06	0.11
8.5	108.17	111.29	110.38	-0.01	-0.01	0.01
9.0	102.96	105.35	104.69	-0.07	-0.08	-0.04
9.5	119.10	101.54	109.21	-0.09	-0.09	-0.02
10.0	100.03	114.59	102.59	-0.08	-0.07	0.03
10.5	103.86	102.81	100.66	0.01	0.05	0.15
11.0	105.55	97.98	99.64	0.19	0.24	0.32
11.5	96.47	95.60	95.65	0.38	0.40	0.45
12.0	90.86	89.07	88.61	0.45	0.45	0.48
12.5	83.07	81.65	79.81	0.38	0.36	0.39
13.0	73.89	72.59	70.35	0.23	0.24	0.30
13.5	63.76	61.89	59.24	0.14	0.19	0.30
14.0	51.47	49.12	45.70	0.21	0.30	0.47
14.5	36.52	33.45	28.76	0.47	0.61	0.95
15.0	16.50	12.15	6.97	1.49	2.52	6.50
15.5	2.18	2.24	2.43	38.22	27.77	21.81
16.0	1.63	1.77	2.04	21.92	28.16	23.12
16.5	1.65	1.81	2.01	14.36	14.58	17.17
17.0	1.50	1.67	2.04	30.93	21.24	16.47
17.5	1.66	1.78	2.04	14.64	15.37	17.93
18.0	1.63	1.76	2.06	22.72	27.30	34.79
18.5	1.78	1.95	2.26	23.56	22.42	23.81
19.0	1.93	2.14	2.54	25.84	26.55	22.66
19.5	2.23	2.58	3.13	16.54	15.67	16.93
20.0	2.77	4.04	7.79	21.24	12.30	5.87
20.5	12.70	17.18	23.34	2.23	1.72	1.48
21.0	28.85	32.73	38.04	0.83	0.81	0.94
21.5	42.43	45.57	49.99	0.71	0.73	0.87
22.0	53.38	55.97	59.70	0.61	0.62	0.74
22.5	62.45	64.69	67.86	0.49	0.50	0.60
23.0	70.22	72.27	75.06	0.34	0.35	0.46
24.0	84.11	86.18	89.70	0.31	0.27	0.33
25.0	99.69	102.33	115.53	0.14	0.08	0.07
26.0	102.14	96.61	102.81	-0.05	-0.05	0.04
27.0	96.91	108.53	96.99	0.04	0.00	0.19
28.0	93.83	94.57	92.94	0.32	0.26	0.42
29.0	95.97	97.55	105.66	0.70	0.66	0.83
30.0	108.04	93.86	92.47	0.91	0.87	0.96
31.0	95.85	96.55	87.30	0.21	-0.07	-0.15
32.0	91.36	91.05	88.15	-0.66	-0.88	-0.72
33.0	87.53	86.35	87.70	-0.13	-0.25	0.13
34.0	86.26	89.09	98.17	0.13	-0.14	0.18
35.0	104.04	110.94	89.18	0.52	0.48	0.58
36.0	93.74	93.37	104.28	1.49	1.40	1.48
37.0	86.00	87.30	95.21	2.22	1.58	1.61
38.0	84.87	83.00	86.88	1.26	0.90	1.40
39.0	82.38	78.86	78.89	0.26	0.40	0.83
40.0	80.56	79.59	77.90	-0.46	-0.62	-0.71