

# LTCC Lowpass Filter

Typical Performance Data

# BFHK-5001+

FREQUENCY (GHz)	INSERTION LOSS (dB)			RETURN LOSS (dB)		
	@-55°C	@+25°C	@+125°C	@-55°C	@+25°C	@+125°C
0.1	102.89	114.00	110.14	1.28	0.10	0.10
0.2	111.17	100.12	114.64	1.32	0.14	0.15
0.4	99.63	101.73	105.79	1.32	0.17	0.18
0.6	97.90	98.41	96.29	1.26	0.17	0.18
0.8	95.06	96.20	93.99	1.18	0.16	0.17
1.0	92.18	92.54	92.25	1.07	0.14	0.14
1.2	91.00	90.67	91.77	0.93	0.11	0.11
1.4	90.75	91.08	90.44	0.79	0.08	0.08
1.6	89.13	89.06	88.66	0.63	0.05	0.04
1.8	87.71	87.27	87.89	0.47	0.02	0.01
2.0	86.85	87.66	87.43	0.32	0.00	-0.02
2.2	85.49	85.60	86.19	0.19	-0.02	-0.04
2.4	84.86	84.71	84.01	0.10	-0.02	-0.04
2.6	83.57	83.95	84.99	0.04	-0.01	-0.04
2.8	82.50	83.39	82.92	0.03	0.01	-0.01
3.0	81.50	81.14	80.83	0.09	0.05	0.03
3.2	78.62	78.24	77.48	0.20	0.10	0.09
3.4	73.45	73.06	71.88	0.37	0.17	0.16
3.6	66.24	65.10	63.70	0.60	0.26	0.27
3.8	55.94	54.00	52.00	0.89	0.39	0.42
4.0	41.79	38.83	35.83	1.26	0.61	0.72
4.2	20.55	15.97	11.29	2.03	1.88	3.58
4.4	2.83	2.77	3.00	19.65	28.31	24.08
4.5	2.52	2.53	2.79	18.58	18.73	20.37
4.6	2.36	2.37	2.71	20.55	35.72	23.16
4.7	2.32	2.46	2.81	20.81	16.95	16.21
4.8	2.49	2.46	2.76	16.04	18.34	23.52
4.9	2.36	2.45	2.87	24.86	26.12	19.21
5.0	2.48	2.66	3.07	19.45	16.08	16.23
5.1	2.69	2.73	3.12	16.70	19.12	24.50
5.2	2.66	2.86	3.42	27.82	21.49	16.63
5.3	2.93	3.24	3.78	17.14	14.19	14.59
5.4	3.31	3.43	3.98	14.78	16.77	22.33
5.6	3.82	4.38	5.38	18.21	15.29	16.01
5.8	5.79	7.89	12.71	18.52	14.43	9.27
6.0	24.90	30.81	37.56	3.17	2.69	2.37
6.2	49.00	53.95	59.67	1.76	1.27	1.24
6.4	71.15	76.28	81.57	1.63	0.85	0.86
6.6	80.02	78.26	77.00	1.62	0.66	0.67
6.8	76.78	75.84	75.53	1.61	0.54	0.55
7.0	75.77	75.30	74.99	1.58	0.46	0.45
7.2	75.68	74.85	74.84	1.52	0.39	0.38
7.4	75.43	74.84	74.89	1.42	0.34	0.33
7.6	75.46	74.46	74.37	1.29	0.29	0.28
7.8	75.47	74.45	74.42	1.15	0.25	0.25
8.0	75.27	74.40	74.36	0.99	0.23	0.23
8.2	74.83	74.37	74.30	0.84	0.20	0.21
8.4	74.71	74.33	74.37	0.69	0.20	0.22
8.6	74.38	74.44	74.48	0.55	0.20	0.24
8.8	74.27	74.49	74.84	0.43	0.21	0.23
9.0	74.42	74.60	74.93	0.31	0.21	0.20
9.2	74.47	74.78	74.98	0.23	0.19	0.18
9.4	74.61	75.34	75.45	0.18	0.18	0.18
9.6	74.87	75.45	75.55	0.16	0.18	0.20
9.8	75.54	75.65	75.80	0.18	0.19	0.22
10.0	75.85	76.38	76.33	0.22	0.20	0.24
10.2	76.23	76.64	77.15	0.30	0.22	0.27
10.4	76.90	77.17	77.50	0.40	0.24	0.30
10.6	77.52	77.78	78.22	0.52	0.27	0.33
10.8	78.76	78.31	78.92	0.65	0.30	0.36
11.0	79.43	79.73	79.99	0.79	0.33	0.39
11.2	80.44	80.82	81.42	0.95	0.36	0.41
11.4	82.17	81.59	82.13	1.11	0.39	0.44
11.6	84.65	83.58	84.00	1.25	0.42	0.46
11.8	86.05	84.85	86.32	1.36	0.46	0.50
12.0	90.00	87.76	88.56	1.43	0.49	0.54
12.2	90.77	90.90	92.93	1.47	0.53	0.58
12.4	93.44	94.24	103.81	1.48	0.56	0.63
12.6	98.95	110.33	100.72	1.45	0.61	0.70