

LTCC Lowpass Filter

Typical Performance Data

BFHK-7551+

FREQUENCY (GHz)	INSERTION LOSS (dB)			RETURN LOSS (dB)		
	@-55°C	@+25°C	@+125°C	@-55°C	@+25°C	@+125°C
0.1	113.32	114.78	121.38	0.07	0.09	0.09
0.2	117.28	114.18	111.99	0.10	0.12	0.12
0.4	112.43	106.01	106.58	0.12	0.15	0.15
0.6	106.18	105.75	105.51	0.13	0.15	0.17
0.8	102.76	102.69	104.70	0.13	0.15	0.16
1.0	104.81	101.25	100.47	0.12	0.14	0.15
1.2	99.99	101.63	101.04	0.10	0.11	0.11
1.4	98.20	98.17	100.16	0.08	0.09	0.08
1.6	97.78	97.52	97.11	0.05	0.06	0.06
1.8	96.04	94.88	95.97	0.02	0.04	0.03
2.0	96.74	95.77	95.20	0.00	0.01	0.00
2.2	94.49	95.03	93.92	-0.01	-0.01	-0.02
2.4	94.97	94.58	95.12	-0.02	-0.01	-0.02
2.6	93.01	92.90	92.90	-0.02	-0.02	-0.03
2.8	92.12	92.21	92.21	-0.01	-0.01	-0.02
3.0	92.60	91.45	90.44	0.01	0.01	-0.01
3.2	91.61	91.39	90.85	0.04	0.04	0.02
3.4	89.81	89.83	89.58	0.06	0.07	0.05
3.6	88.98	88.80	89.08	0.10	0.11	0.09
3.8	87.65	87.60	87.55	0.14	0.15	0.13
4.0	85.59	85.98	85.68	0.18	0.20	0.18
4.2	84.09	83.97	83.44	0.22	0.24	0.23
4.4	81.21	81.10	80.56	0.26	0.28	0.27
4.6	78.01	77.60	76.99	0.29	0.30	0.30
4.8	74.10	73.44	72.66	0.31	0.32	0.32
5.0	69.27	68.52	67.47	0.33	0.34	0.35
5.2	63.74	62.74	61.44	0.34	0.35	0.36
5.4	57.25	56.04	54.46	0.33	0.35	0.38
5.6	49.68	48.20	46.30	0.32	0.36	0.40
5.8	40.75	38.89	36.53	0.34	0.42	0.49
6.0	29.87	27.41	24.33	0.45	0.61	0.81
6.2	15.94	12.76	9.16	1.12	1.85	3.42
6.4	2.94	2.69	2.67	13.22	24.05	29.31
6.6	1.76	2.02	2.24	26.50	27.36	27.50
6.8	1.63	1.90	2.15	30.18	44.75	34.48
7.0	1.63	1.91	2.16	24.78	23.34	23.60
7.2	1.63	1.92	2.18	25.57	30.31	31.56
7.4	1.69	2.01	2.31	24.62	21.19	20.08
7.6	1.77	2.11	2.40	19.74	20.46	23.78
7.8	1.81	2.19	2.53	28.55	40.06	34.70
8.0	1.92	2.35	2.75	31.35	31.02	34.04
8.2	2.10	2.61	3.09	26.82	22.88	19.81
8.4	2.38	2.95	3.51	18.53	19.02	21.51
8.6	2.72	3.47	4.29	24.19	20.80	18.23
8.8	3.44	4.51	6.04	18.62	22.36	30.47
9.0	5.71	9.69	16.63	18.64	9.64	5.04
9.2	21.35	27.79	34.60	2.50	2.09	1.72
9.4	38.54	43.74	49.30	1.07	1.06	0.97
9.6	52.33	56.98	62.02	0.67	0.70	0.67
9.8	64.66	69.36	74.70	0.48	0.53	0.51
10.0	77.95	84.26	89.21	0.38	0.43	0.43
10.2	88.72	86.23	84.06	0.33	0.39	0.40
10.4	84.08	82.84	82.25	0.29	0.36	0.38
10.6	81.98	82.05	81.82	0.27	0.34	0.38
10.8	81.59	82.49	81.56	0.25	0.33	0.36
11.0	81.33	82.00	82.13	0.24	0.32	0.35
11.5	80.79	82.64	83.03	0.29	0.35	0.36
12.0	79.11	83.53	84.14	0.39	0.37	0.37
12.5	80.22	84.66	84.74	0.43	0.39	0.38
13.0	79.32	85.60	86.19	0.37	0.40	0.38
13.5	81.49	87.71	89.20	0.32	0.41	0.39
14.0	85.42	90.63	92.42	0.36	0.44	0.43
14.5	91.05	93.78	95.20	0.39	0.46	0.45
15.0	96.86	101.03	101.37	0.37	0.44	0.43
15.5	113.31	102.88	110.77	0.31	0.39	0.36
16.0	107.27	116.57	117.51	0.26	0.34	0.31
16.5	107.92	106.51	115.98	0.25	0.35	0.32
17.0	101.71	106.02	98.86	0.29	0.40	0.36
17.5	90.81	95.01	92.81	0.32	0.46	0.40
18.0	89.17	88.92	86.44	0.39	0.50	0.46
18.5	84.54	82.19	81.02	0.49	0.56	0.56
19.0	79.60	78.34	76.99	0.54	0.69	0.72