

LTCC Bandpass Filter

Typical Performance Data

BFHKI-7551+

FREQUENCY (GHz)	INSERTION LOSS (dB)			RETURN LOSS (dB)		
	@-55°C	@+25°C	@+125°C	@-55°C	@+25°C	@+125°C
0.1	100.83	105.77	103.28	0.03	0.04	0.11
0.2	97.88	99.07	105.27	0.07	0.08	0.14
0.4	90.32	90.65	100.15	0.13	0.13	0.19
0.6	86.80	87.91	88.02	0.17	0.17	0.23
0.8	86.16	87.56	85.79	0.20	0.19	0.25
1.0	83.76	83.52	84.03	0.19	0.19	0.24
1.2	82.73	81.87	82.59	0.13	0.14	0.18
1.4	81.84	80.79	81.22	0.08	0.09	0.14
1.6	80.69	80.59	79.38	0.01	0.02	0.08
1.8	79.01	79.01	78.98	-0.06	-0.05	0.02
2.0	78.12	77.30	78.63	-0.12	-0.10	-0.02
2.2	78.14	77.94	77.74	-0.15	-0.13	-0.03
2.4	77.70	77.40	77.09	-0.19	-0.16	-0.05
2.6	77.17	76.62	77.37	-0.19	-0.16	-0.02
2.8	77.10	77.04	77.31	-0.18	-0.15	0.00
3.0	76.63	76.75	77.16	-0.16	-0.12	0.03
3.2	77.06	76.95	77.55	-0.15	-0.10	0.06
3.4	77.54	77.24	77.40	-0.12	-0.07	0.09
3.6	78.13	78.33	78.03	-0.09	-0.03	0.13
3.8	78.39	78.83	79.12	-0.04	0.01	0.16
4.0	78.90	79.32	79.71	0.02	0.07	0.22
4.2	79.59	79.79	79.24	0.08	0.13	0.27
4.4	79.42	79.01	78.86	0.13	0.18	0.31
4.6	77.73	76.95	76.20	0.18	0.23	0.35
4.8	73.56	72.83	71.88	0.20	0.24	0.36
5.0	68.31	67.77	66.56	0.19	0.24	0.35
5.2	62.78	61.77	60.62	0.18	0.22	0.34
5.4	56.47	55.16	53.89	0.13	0.18	0.31
5.6	49.25	47.91	46.21	0.11	0.17	0.32
5.8	41.01	39.56	37.40	0.13	0.21	0.39
6.0	31.43	29.60	26.89	0.23	0.36	0.62
6.2	19.39	16.96	13.46	0.63	0.94	1.65
6.4	4.97	3.70	3.07	4.86	7.99	12.00
6.6	1.77	1.93	2.14	15.51	17.79	23.76
6.8	1.45	1.71	2.02	21.95	19.56	18.64
7.0	1.44	1.65	1.93	18.66	20.29	23.55
7.2	1.36	1.61	1.95	36.85	29.76	26.64
7.4	1.44	1.69	2.02	21.77	22.44	24.04
7.6	1.46	1.72	2.09	28.17	29.26	29.94
7.8	1.55	1.84	2.25	24.40	24.78	25.42
8.0	1.67	1.98	2.40	23.19	24.03	24.56
8.2	1.77	2.11	2.58	24.11	23.78	23.48
8.4	1.93	2.30	2.84	25.42	26.99	28.17
8.6	2.16	2.61	3.26	30.12	26.47	22.92
8.8	2.53	3.08	3.91	22.33	22.01	22.68
9.0	3.13	3.95	5.34	28.78	25.87	22.42
9.2	4.89	7.38	12.88	25.69	13.76	6.70
9.4	16.81	22.36	29.28	3.11	2.42	1.98
9.6	33.20	37.86	43.81	1.12	1.12	1.16
9.8	47.08	51.20	56.66	0.67	0.74	0.87
10.0	59.49	64.85	69.59	0.49	0.58	0.74
10.2	76.35	84.73	85.17	0.42	0.50	0.66
10.4	80.47	81.03	76.06	0.37	0.45	0.61
10.6	79.29	75.94	75.43	0.32	0.40	0.55
10.8	75.50	73.78	73.44	0.28	0.35	0.50
11.0	72.37	71.56	70.77	0.24	0.31	0.45
11.5	67.86	69.12	66.12	0.15	0.22	0.38
12.0	66.16	65.22	65.19	0.10	0.18	0.37
12.5	61.14	61.78	60.75	0.09	0.18	0.37
13.0	61.31	59.04	61.00	0.04	0.12	0.28
13.5	57.20	57.26	56.99	-0.09	-0.02	0.09
14.0	55.06	55.80	54.62	-0.26	-0.19	-0.07
14.5	53.85	54.59	53.95	-0.24	-0.18	0.01
15.0	54.29	53.59	53.95	0.14	0.18	0.42
15.5	54.42	53.89	54.44	0.67	0.69	0.88
16.0	52.68	53.65	53.13	0.89	0.90	0.99
16.5	52.13	52.83	52.27	0.56	0.58	0.61
17.0	52.18	52.08	52.54	-0.24	-0.18	-0.13
17.5	51.70	52.55	51.97	-0.89	-0.79	-0.62
18.0	53.82	54.79	55.11	-0.84	-0.74	-0.49
18.5	58.07	58.13	59.70	-0.27	-0.21	0.03
19.0	60.61	61.21	62.85	0.23	0.27	0.48



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