

LTCC Lowpass Filter

Typical Performance Data

BFHKL-3142+

FREQUENCY (GHz)	INSERTION LOSS (dB)			RETURN LOSS (dB)		
	@-55°C	@+25°C	@+125°C	@-55°C	@+25°C	@+125°C
0.1	100.10	100.88	98.07	0.04	0.06	0.08
1.0	85.33	85.43	85.20	0.13	0.14	0.16
2.0	79.70	79.54	79.27	0.04	0.04	0.02
3.0	76.62	76.99	76.89	0.07	0.05	0.02
4.0	77.46	77.41	77.46	0.06	0.11	0.17
5.0	81.88	81.85	81.74	0.15	0.19	0.22
6.0	82.00	81.62	81.71	0.13	0.15	0.18
7.0	74.56	74.52	73.89	0.07	0.12	0.18
8.0	76.46	76.56	76.42	0.09	0.16	0.21
9.0	72.32	72.25	72.40	0.21	0.26	0.31
10.0	72.24	71.81	71.58	0.24	0.31	0.36
11.0	68.21	67.80	68.04	0.21	0.28	0.34
12.0	61.94	62.08	61.24	0.22	0.31	0.39
13.0	58.25	58.11	57.93	0.22	0.34	0.45
14.0	55.60	55.51	55.51	0.19	0.29	0.37
15.0	54.71	54.77	54.17	0.24	0.32	0.42
16.0	53.94	54.03	53.76	0.27	0.39	0.49
17.0	53.21	53.59	53.92	0.15	0.29	0.36
18.0	55.35	55.65	55.56	0.08	0.20	0.31
19.0	56.92	57.28	57.77	0.17	0.29	0.34
20.0	58.51	58.90	59.43	0.21	0.31	0.35
21.0	61.11	61.78	62.18	0.16	0.28	0.44
22.0	76.24	79.62	87.75	0.10	0.27	0.34
23.0	66.68	65.44	64.20	0.12	0.27	0.34
24.0	58.34	57.26	55.23	0.30	0.42	0.61
25.0	46.62	44.37	41.23	0.34	0.57	0.66
26.0	28.72	25.24	20.34	0.69	1.01	1.64
27.0	4.79	3.21	2.76	5.92	13.33	21.08
28.0	1.74	2.00	2.31	13.46	13.62	13.04
28.5	1.72	2.07	2.42	11.95	10.96	10.36
29.0	1.73	2.02	2.27	10.21	10.55	10.69
29.5	1.63	1.81	1.96	10.53	12.49	15.10
30.0	1.34	1.57	1.78	16.12	18.90	30.50
30.5	1.18	1.47	1.79	36.21	32.33	23.11
31.0	1.20	1.54	1.92	24.80	19.03	17.04
31.5	1.31	1.68	2.08	16.76	15.18	13.90
32.0	1.48	1.83	2.26	12.95	13.06	12.13
32.5	1.71	2.18	2.72	10.41	9.73	8.93
33.0	2.15	2.79	3.37	8.08	7.13	6.66
33.5	2.90	3.26	3.58	5.92	6.01	6.08
34.0	3.20	3.08	3.04	5.54	6.55	7.84
34.5	2.49	2.37	2.37	7.63	9.54	13.63
35.0	1.60	1.86	2.30	14.68	18.70	17.65
35.5	1.50	2.07	2.66	16.88	13.15	11.35
36.0	1.81	2.32	2.67	11.36	11.41	14.67
37.0	2.27	3.20	4.22	13.05	9.98	11.52
38.0	8.42	14.86	22.45	3.70	2.14	1.64
39.0	30.46	35.40	41.12	0.63	0.97	1.19
40.0	48.43	53.68	63.97	0.66	1.03	1.23
41.0	76.25	69.79	63.33	0.44	0.83	0.97
42.0	57.41	56.91	57.26	0.38	0.77	0.99
43.0	56.87	57.14	57.78	0.44	0.72	0.84
44.0	58.28	60.02	62.22	0.12	0.50	0.71
45.0	63.64	65.23	71.36	0.19	0.43	0.68
46.0	70.59	71.39	69.65	0.21	0.52	0.62
47.0	61.49	61.77	62.62	0.31	0.53	0.75
48.0	57.52	57.66	57.18	0.14	0.53	0.77
49.0	54.34	54.25	53.13	0.18	0.55	0.80
50.0	55.75	56.98	57.21	0.21	0.52	0.77
51.0	61.16	62.33	61.84	0.18	0.50	0.79
52.0	72.27	74.40	77.36	0.24	0.63	0.88
53.0	71.82	70.22	68.86	0.48	0.73	0.97
54.0	75.31	79.14	70.31	0.33	0.68	0.97
55.0	65.08	65.56	64.73	0.32	0.70	0.90
56.0	70.76	73.35	78.80	0.41	0.66	0.87
57.0	75.99	77.20	80.77	0.01	0.53	0.77
58.0	78.72	69.50	67.67	0.14	0.66	0.86
59.0	65.09	65.60	66.41	0.25	0.40	0.54
60.0	66.85	66.53	62.69	0.14	0.34	0.75
61.0	66.59	57.00	61.16	0.07	0.59	0.73
62.0	63.66	64.31	63.34	0.24	0.42	0.51
63.0	65.40	61.90	55.42	0.08	0.70	1.39
64.0	51.36	49.20	44.72	0.51	1.20	1.65
65.0	42.07	35.06	41.20	1.41	2.49	3.35



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