

LTCC Lowpass Filter

Typical Performance Data

BFHKL-2492+

FREQUENCY (GHz)	INSERTION LOSS (dB)			RETURN LOSS (dB)		
	@-55°C	@+25°C	@+125°C	@-55°C	@+25°C	@+125°C
0.1	112.39	105.00	103.52	0.04	0.06	0.08
1.0	85.54	85.84	85.44	0.12	0.13	0.14
2.0	79.86	79.64	79.75	0.06	0.05	0.06
3.0	77.55	77.25	77.30	0.07	0.05	0.04
4.0	77.48	77.66	77.37	0.04	0.11	0.13
5.0	82.53	82.26	82.28	0.09	0.16	0.16
6.0	81.78	82.07	82.62	0.05	0.10	0.11
7.0	78.01	77.17	75.98	0.02	0.09	0.13
8.0	69.12	69.50	70.19	0.07	0.15	0.18
9.0	78.41	77.70	76.86	0.13	0.22	0.24
10.0	72.42	71.92	71.18	0.17	0.28	0.28
11.0	66.81	66.65	66.04	0.15	0.26	0.29
12.0	64.47	64.36	63.48	0.16	0.27	0.33
13.0	57.33	57.06	56.99	0.15	0.30	0.37
14.0	57.27	57.46	57.57	0.14	0.26	0.31
15.0	53.55	53.67	53.66	0.17	0.29	0.32
16.0	52.31	52.34	52.61	0.21	0.37	0.39
17.0	53.17	53.61	53.76	0.11	0.27	0.30
18.0	56.15	56.48	56.40	0.07	0.21	0.31
19.0	55.20	54.07	52.27	0.23	0.40	0.41
20.0	39.17	36.66	32.93	0.36	0.57	0.70
21.0	11.90	8.31	4.96	1.57	3.41	7.92
22.0	1.53	1.81	2.00	22.87	29.26	32.64
22.5	1.44	1.87	2.20	17.12	13.91	11.61
23.0	1.71	1.99	2.13	9.94	10.58	11.28
23.5	1.42	1.63	1.82	14.42	19.14	21.60
24.0	1.37	1.82	2.22	15.20	12.31	10.10
24.5	1.84	2.13	2.18	9.04	9.09	10.61
25.0	1.49	1.67	1.80	12.25	15.50	21.12
25.5	1.31	1.79	2.21	17.63	13.12	10.57
26.0	1.78	2.19	2.36	9.38	9.29	9.65
26.5	1.68	1.87	2.04	10.82	14.53	18.60
27.0	1.47	2.00	2.59	19.06	13.46	9.42
27.5	2.21	2.65	2.81	8.09	7.96	8.97
28.0	2.08	2.25	2.49	9.98	13.44	19.72
29.0	2.81	3.31	3.80	8.08	9.39	13.30
30.0	9.60	17.17	25.82	4.78	2.49	1.48
31.0	40.17	44.34	49.19	0.48	0.66	0.70
32.0	55.69	58.27	60.79	0.32	0.49	0.59
33.0	72.28	76.79	75.92	0.23	0.52	0.53
34.0	77.05	73.09	69.60	0.47	0.62	0.65
35.0	59.54	58.71	57.84	0.27	0.48	0.70
36.0	56.51	56.17	55.13	0.10	0.46	0.55
37.0	57.21	56.45	55.25	0.56	0.75	0.80
38.0	58.68	59.20	58.89	0.38	0.69	0.69
39.0	57.95	57.69	56.33	0.00	0.53	0.71
40.0	55.13	54.97	56.74	0.33	0.70	0.75
41.0	59.35	59.31	58.02	0.19	0.51	0.57
42.0	55.90	55.44	54.95	0.23	0.58	0.66
43.0	54.77	55.76	56.30	0.22	0.59	0.57
44.0	56.85	56.62	55.51	0.02	0.40	0.51
45.0	55.95	57.05	61.68	0.11	0.40	0.47
46.0	61.49	64.35	62.82	0.14	0.50	0.47
47.0	60.14	60.09	59.55	0.14	0.51	0.55
48.0	56.19	56.71	56.84	0.07	0.37	0.45
49.0	52.98	52.12	51.78	0.15	0.56	0.68
50.0	50.74	51.67	52.16	0.29	0.67	0.78
51.0	53.22	54.09	54.05	0.17	0.50	0.67
52.0	57.78	58.70	59.37	0.01	0.51	0.66
53.0	65.74	66.60	71.19	0.43	0.78	0.90
54.0	65.60	54.75	64.56	0.39	0.80	0.84
55.0	61.10	61.15	60.15	0.23	0.69	0.94
56.0	61.38	63.16	65.39	0.45	0.90	1.00
57.0	69.61	66.65	63.62	0.10	0.70	0.65
58.0	60.68	62.09	66.54	0.34	0.85	1.12
59.0	66.07	64.30	64.78	0.06	0.91	0.79
60.0	58.65	63.09	76.00	0.08	0.55	0.68
61.0	61.78	65.78	68.79	0.03	0.56	0.88
62.0	61.86	63.76	70.58	0.17	0.94	0.53
63.0	63.06	67.65	71.35	0.05	0.64	0.71
64.0	68.12	67.12	66.90	0.09	0.50	0.65
65.0	64.16	63.41	60.96	0.80	1.37	1.26



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