

# LTCC Lowpass Filter

Typical Performance Data

# LFCN-4002+

FREQUENCY (GHz)	INSERTION LOSS (dB)			RETURN LOSS (dB)		
	@-55°C	@+25°C	@+125°C	@-55°C	@+25°C	@+125°C
0.1	0.03	0.05	0.06	41.02	39.10	37.09
1.0	0.08	0.09	0.09	36.64	36.78	36.51
2.0	0.12	0.12	0.12	40.91	38.72	38.94
3.0	0.14	0.13	0.16	27.94	28.54	30.07
4.0	0.15	0.15	0.18	27.80	28.61	31.41
5.0	0.15	0.16	0.20	30.63	31.93	34.84
6.0	0.18	0.19	0.21	28.51	31.17	35.49
7.0	0.19	0.20	0.22	30.86	32.39	36.01
8.0	0.15	0.16	0.19	34.94	35.19	43.39
9.0	0.17	0.18	0.22	34.34	31.74	32.20
10.0	0.23	0.24	0.27	27.31	26.74	28.13
11.0	0.31	0.31	0.35	22.16	21.89	22.41
12.0	0.35	0.37	0.37	20.38	19.73	20.57
13.0	0.33	0.34	0.36	18.28	18.32	19.39
14.0	0.27	0.29	0.35	16.27	16.46	16.74
15.0	0.38	0.39	0.41	15.41	15.46	16.55
16.0	0.52	0.51	0.52	15.32	15.57	16.11
17.0	0.59	0.57	0.58	14.60	15.19	15.25
18.0	0.57	0.58	0.56	15.47	15.51	16.29
19.0	0.44	0.44	0.50	16.64	17.25	17.43
20.0	0.47	0.46	0.53	17.34	18.70	18.77
21.0	0.56	0.55	0.58	20.08	20.49	21.06
22.0	0.57	0.57	0.59	25.91	27.12	24.13
23.0	0.55	0.58	0.59	27.87	27.01	27.89
24.0	0.58	0.60	0.66	22.21	22.81	21.76
25.0	0.67	0.68	0.73	18.96	18.77	18.97
26.0	0.75	0.78	0.81	16.45	15.83	15.23
27.0	0.83	0.84	0.89	13.77	14.44	13.96
28.0	0.92	0.92	0.97	13.33	13.50	13.43
29.0	1.01	1.01	1.14	12.60	12.69	11.76
30.0	1.07	1.05	1.15	12.51	13.51	12.86
31.0	1.12	1.13	1.19	14.16	14.63	13.97
32.0	1.15	1.16	1.23	14.57	14.97	13.42
33.0	1.01	1.00	1.11	16.28	17.75	18.49
34.0	0.89	0.90	1.00	21.74	21.68	24.66
35.0	0.99	1.05	1.15	22.12	21.81	32.65
36.0	1.18	1.22	1.28	21.82	21.21	19.86
37.0	1.34	1.45	1.48	17.00	17.10	16.27
38.0	1.26	1.36	1.63	16.50	17.25	15.88
39.0	1.36	1.45	1.78	15.43	17.02	15.45
40.0	1.63	1.81	2.08	17.74	18.20	18.26
41.0	1.93	2.22	2.50	17.37	15.88	17.56
41.5	2.16	2.53	2.92	14.93	12.99	12.93
42.0	2.50	2.96	3.54	12.21	10.70	10.10
43.0	3.77	4.44	5.41	7.12	6.60	6.05
44.0	5.81	6.78	8.42	4.48	4.03	3.20
45.0	8.64	9.70	11.66	2.85	2.90	2.53
46.0	11.97	13.32	15.87	2.43	2.40	2.24
47.0	16.01	17.62	20.56	2.14	2.05	1.88
48.0	20.75	22.78	25.81	1.72	1.97	1.98
49.0	26.31	28.20	30.32	2.14	2.04	1.86
50.0	30.54	31.89	32.96	1.93	1.87	1.88
51.0	33.14	33.17	32.58	1.74	1.82	2.14
52.0	32.63	32.93	32.39	2.28	2.08	2.23
53.0	32.10	32.11	31.31	1.94	1.88	2.22
54.0	31.09	31.20	30.73	1.86	1.81	2.34
55.0	30.28	30.32	29.66	2.20	1.92	2.16
56.0	29.69	30.25	30.35	1.67	1.58	2.12
57.0	31.73	31.49	31.89	1.47	1.34	2.43
58.0	32.45	33.34	33.55	1.96	1.58	2.51
59.0	34.64	34.67	35.16	1.45	1.42	2.39
60.0	35.80	36.06	35.63	1.24	1.02	2.17
61.0	35.59	35.99	35.71	1.61	1.28	2.44
62.0	36.00	36.42	36.55	1.45	1.43	2.72
63.0	37.48	38.06	38.07	1.47	1.17	2.23
64.0	39.18	39.78	38.71	1.72	1.52	2.98
65.0	38.96	36.70	37.79	2.91	2.84	3.94
67.0	43.10	44.33	47.08	0.61	0.60	0.34



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