

# LTCC Lowpass Filter

Typical Performance Data

# LFCN-3402+

FREQUENCY (GHz)	INSERTION LOSS (dB)			RETURN LOSS (dB)		
	@-55°C	@+25°C	@+125°C	@-55°C	@+25°C	@+125°C
0.1	0.02	0.03	0.05	41.41	38.74	36.78
1.0	0.07	0.09	0.10	36.77	35.22	33.52
2.0	0.10	0.12	0.13	38.85	37.61	37.16
3.0	0.11	0.13	0.15	34.68	39.73	45.68
4.0	0.12	0.16	0.19	39.16	43.17	36.30
5.0	0.14	0.19	0.23	32.42	30.80	29.98
6.0	0.16	0.22	0.26	30.94	28.98	27.08
7.0	0.17	0.24	0.29	25.77	25.10	24.62
8.0	0.15	0.24	0.28	21.81	21.60	21.43
9.0	0.18	0.26	0.33	21.15	20.48	19.96
10.0	0.29	0.38	0.44	17.66	17.73	17.97
11.0	0.38	0.46	0.52	16.14	16.48	16.55
12.0	0.40	0.50	0.54	16.49	16.30	16.30
13.0	0.39	0.49	0.56	15.03	15.58	15.85
14.0	0.29	0.41	0.49	15.15	15.67	16.04
15.0	0.35	0.47	0.54	16.24	16.53	17.16
16.0	0.45	0.57	0.63	17.25	18.66	19.86
17.0	0.54	0.64	0.68	19.47	20.64	20.92
18.0	0.52	0.63	0.69	26.26	26.61	25.95
19.0	0.37	0.53	0.65	23.59	22.21	21.81
20.0	0.45	0.62	0.75	18.81	18.08	17.96
21.0	0.70	0.85	1.02	14.16	14.39	13.39
22.0	0.93	1.11	1.19	12.71	12.31	12.34
23.0	1.06	1.28	1.36	10.56	10.48	10.40
24.0	1.25	1.40	1.59	8.86	9.36	8.92
25.0	1.35	1.52	1.69	9.13	9.24	9.74
26.0	1.40	1.62	1.74	8.82	9.02	9.15
27.0	1.48	1.60	1.67	8.22	9.05	9.00
28.0	1.28	1.46	1.48	10.58	11.04	12.09
29.0	1.22	1.43	1.54	11.86	12.37	13.00
30.0	1.19	1.41	1.60	13.83	15.29	15.26
31.0	1.27	1.57	1.80	17.33	16.98	15.72
32.0	1.47	1.78	2.01	15.19	14.51	13.48
33.0	1.58	1.98	2.28	11.41	10.90	10.45
34.0	1.84	2.11	2.39	10.18	11.65	12.89
35.0	2.05	2.54	3.09	15.46	18.89	31.67
36.0	3.04	4.01	5.32	19.81	13.68	9.62
37.0	6.40	8.17	10.03	5.79	4.88	3.95
38.0	11.29	13.15	15.14	2.21	2.34	2.09
39.0	16.93	19.02	21.16	1.41	1.51	1.55
40.0	23.05	25.25	27.89	1.16	1.44	1.63
41.0	30.19	32.82	35.39	1.13	1.45	1.42
41.5	34.02	36.04	37.14	1.18	1.42	1.30
42.0	36.83	37.26	37.07	1.23	1.36	1.31
43.0	36.55	36.43	35.56	1.04	1.24	1.34
44.0	35.83	35.10	34.89	1.06	1.30	1.37
45.0	34.42	34.30	33.94	1.16	1.33	1.43
46.0	33.51	33.67	33.62	0.93	1.21	1.38
47.0	33.22	33.38	33.31	0.93	1.22	1.14
48.0	33.51	33.49	32.84	1.39	1.47	1.41
49.0	33.06	33.98	34.04	1.13	1.35	1.50
50.0	34.19	34.32	34.61	0.83	1.18	1.25
51.0	34.12	34.73	34.69	1.32	1.52	1.58
52.0	34.86	35.20	35.27	1.22	1.42	1.35
53.0	34.97	35.35	35.77	0.90	1.23	1.09
54.0	34.09	35.04	35.54	1.11	1.39	1.54
55.0	35.11	35.74	36.13	1.03	1.35	1.42
56.0	36.90	37.65	39.12	1.52	1.70	1.64
57.0	38.79	40.03	40.54	1.72	2.19	2.29
58.0	41.80	43.42	47.38	1.09	1.93	2.40
59.0	45.63	47.30	43.41	2.90	4.93	10.01
60.0	40.59	39.38	39.56	17.02	11.25	6.24
61.0	38.78	40.11	40.99	4.95	4.57	3.64
62.0	41.04	41.90	40.15	3.77	5.39	6.27
63.0	40.44	38.32	37.98	11.38	7.39	5.16
64.0	37.83	38.54	39.04	4.16	4.20	3.40
65.0	38.60	38.13	36.59	3.52	4.06	3.13
67.0	39.42	36.66	32.52	1.38	2.15	2.83



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