

LTCC Lowpass Filter

Typical Performance Data

LFCN-3602+

FREQUENCY (GHz)	INSERTION LOSS (dB)			RETURN LOSS (dB)		
	@-55°C	@+25°C	@+125°C	@-55°C	@+25°C	@+125°C
0.1	0.03	0.03	0.04	42.76	39.29	37.11
1.0	0.08	0.08	0.08	37.03	35.78	34.50
2.0	0.11	0.11	0.08	41.36	42.68	41.19
3.0	0.11	0.10	0.08	31.83	33.48	36.58
4.0	0.14	0.11	0.12	32.06	34.05	35.28
5.0	0.15	0.13	0.15	37.56	36.03	35.46
6.0	0.14	0.12	0.15	39.65	36.70	32.43
7.0	0.17	0.15	0.19	34.33	33.53	31.02
8.0	0.21	0.20	0.23	28.26	26.94	26.23
9.0	0.22	0.21	0.25	24.34	23.20	21.72
10.0	0.30	0.28	0.32	20.84	20.52	20.21
11.0	0.41	0.40	0.44	17.93	18.01	17.91
12.0	0.47	0.46	0.51	17.29	16.72	16.32
13.0	0.40	0.38	0.44	15.98	16.00	16.24
14.0	0.34	0.33	0.42	14.16	14.49	14.46
15.0	0.48	0.47	0.53	14.00	13.85	14.12
16.0	0.67	0.64	0.67	14.03	14.50	14.98
17.0	0.93	0.85	0.88	14.10	14.49	14.52
18.0	0.76	0.73	0.77	15.25	14.93	15.58
19.0	0.43	0.38	0.51	15.33	16.24	17.32
20.0	0.49	0.45	0.58	15.99	17.04	17.35
21.0	0.68	0.64	0.70	18.45	18.39	19.14
22.0	0.71	0.69	0.73	20.25	19.11	19.52
23.0	0.71	0.73	0.79	17.35	16.87	16.89
24.0	0.86	0.83	1.00	15.11	15.55	15.14
25.0	1.01	1.01	1.24	14.40	13.54	14.20
26.0	1.02	1.04	1.20	12.46	12.10	12.35
27.0	1.14	1.09	1.17	11.19	11.69	11.63
28.0	1.29	1.24	1.28	10.92	10.80	11.53
29.0	1.42	1.39	1.49	10.95	10.94	11.47
30.0	1.47	1.47	1.63	11.84	12.61	13.41
31.0	1.39	1.36	1.50	12.80	13.42	14.37
32.0	1.28	1.25	1.36	14.27	14.74	15.80
33.0	1.12	1.10	1.24	18.16	21.75	24.24
34.0	1.16	1.18	1.39	25.86	27.73	26.74
35.0	1.38	1.45	1.70	26.20	27.26	26.61
36.0	1.81	1.88	2.20	23.07	21.07	20.58
37.0	2.13	2.41	3.01	19.36	17.31	14.65
38.0	2.48	3.13	4.35	11.69	9.38	7.95
39.0	5.00	6.18	8.08	5.10	4.56	3.71
40.0	9.85	11.64	13.88	2.84	2.37	2.39
41.0	16.13	18.02	20.79	1.79	1.95	1.94
41.5	19.50	21.63	24.91	1.63	1.85	1.75
42.0	23.43	26.02	30.18	1.56	1.59	1.54
43.0	34.68	40.86	51.19	1.40	1.20	1.48
44.0	41.47	37.58	35.92	1.23	1.31	1.61
45.0	34.44	33.71	34.17	1.24	1.35	1.49
46.0	33.85	34.85	36.43	1.33	1.20	1.28
47.0	37.91	40.03	44.92	1.12	1.26	1.27
48.0	44.45	44.66	41.78	1.50	1.55	1.58
49.0	40.65	38.76	37.93	1.52	1.39	1.60
50.0	36.40	35.53	34.90	1.07	1.18	1.43
51.0	34.53	34.01	33.10	1.51	1.44	1.60
52.0	33.45	32.69	32.37	1.54	1.47	1.46
53.0	32.05	31.86	31.74	1.22	1.23	1.22
54.0	31.04	31.16	31.32	1.45	1.40	1.50
55.0	30.68	30.83	31.12	1.57	1.51	1.61
56.0	31.45	31.67	32.69	1.21	1.18	1.37
57.0	31.55	33.17	33.31	1.21	1.02	1.30
58.0	35.02	35.25	36.26	1.10	1.23	1.17
59.0	36.24	36.80	37.09	0.96	0.96	0.92
60.0	36.74	38.17	38.59	1.26	0.93	1.30
61.0	37.44	38.15	39.14	0.86	1.32	1.28
62.0	37.62	39.01	40.28	1.01	1.13	1.49
63.0	39.41	41.79	46.76	1.29	1.00	2.60
64.0	45.75	48.09	43.92	2.34	2.93	2.09
65.0	43.56	43.33	41.87	2.57	2.17	1.61
67.0	48.69	46.15	45.35	0.71	-0.13	0.56



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