

# LTCC Lowpass Filter

Typical Performance Data

# LFCV-2502+

FREQUENCY (GHz)	INSERTION LOSS (dB)			RETURN LOSS (dB)		
	@-55°C	@+25°C	@+125°C	@-55°C	@+25°C	@+125°C
0.1	0.05	0.06	0.08	37.46	35.88	34.42
0.5	0.08	0.09	0.11	32.67	32.74	32.31
1.0	0.12	0.12	0.15	34.59	34.08	34.90
2.0	0.13	0.15	0.19	26.95	27.44	28.24
3.0	0.13	0.17	0.19	21.88	22.56	22.93
4.0	0.23	0.25	0.26	22.48	24.30	25.47
5.0	0.31	0.33	0.35	28.14	28.33	29.75
6.0	0.29	0.29	0.32	29.85	29.11	30.18
7.0	0.29	0.30	0.31	34.93	42.07	49.85
8.0	0.32	0.34	0.36	29.95	28.73	29.14
9.0	0.36	0.38	0.41	23.47	22.95	23.02
10.0	0.44	0.46	0.49	19.07	20.03	20.34
11.0	0.56	0.58	0.60	18.54	19.10	19.80
12.0	0.59	0.61	0.65	19.02	19.37	19.79
13.0	0.52	0.57	0.61	20.43	20.14	20.79
14.0	0.56	0.59	0.62	20.35	21.55	22.36
15.0	0.53	0.58	0.64	28.17	31.81	34.69
16.0	0.61	0.67	0.71	33.61	38.36	37.52
17.0	0.71	0.75	0.81	26.63	29.48	29.39
18.0	0.76	0.85	0.93	22.16	21.52	21.86
19.0	0.70	0.80	0.90	21.17	22.52	23.94
20.0	0.76	0.88	1.00	26.30	24.79	25.18
21.0	0.91	1.02	1.11	21.48	23.52	23.57
22.0	0.96	1.08	1.21	24.59	25.55	24.88
23.0	1.12	1.26	1.38	20.80	21.34	21.45
24.0	1.33	1.50	1.72	21.91	22.72	23.09
25.0	1.61	1.87	2.21	18.63	17.84	17.49
26.0	1.99	2.34	2.80	13.99	13.66	12.54
27.0	3.23	3.97	5.01	8.70	7.54	6.19
28.0	6.62	7.94	9.69	3.64	3.32	2.91
29.0	12.71	14.44	16.55	2.14	2.10	1.91
30.0	20.48	22.14	24.12	1.59	1.58	1.50
31.0	27.51	29.20	31.32	1.08	1.25	1.33
32.0	34.25	36.23	38.47	0.72	0.84	0.92
33.0	41.70	43.35	44.39	0.73	0.79	0.82
34.0	47.28	47.57	47.16	0.87	0.95	0.89
35.0	47.76	47.11	46.87	1.15	1.16	1.00
36.0	46.97	45.94	45.73	0.94	1.01	0.95
37.0	45.08	44.35	44.90	0.82	0.80	0.91
38.0	42.15	42.82	43.21	0.74	0.93	0.97
39.0	41.34	41.73	42.25	1.00	0.92	0.80
40.0	40.36	40.43	41.38	1.03	1.14	0.96
41.0	38.79	39.16	40.19	1.39	1.23	1.03
42.0	37.95	37.67	39.24	1.13	1.20	1.18
43.0	36.65	36.86	38.63	0.88	0.86	0.77
44.0	36.12	36.08	37.72	1.22	1.26	1.45
45.0	34.30	36.63	39.07	1.93	2.76	2.64
46.0	34.60	37.20	37.08	2.34	1.69	1.23
47.0	32.93	36.32	35.73	1.18	1.17	1.03
48.0	31.80	36.37	36.04	1.73	1.52	1.48
49.0	32.76	35.80	36.45	1.74	1.85	1.72
50.0	34.74	37.59	39.17	1.83	1.72	1.88
51.0	33.69	41.38	38.63	2.71	3.63	2.63
52.0	35.34	39.12	35.44	2.72	2.20	1.89
53.0	35.48	38.09	33.99	1.86	1.71	1.57
54.0	38.00	36.38	32.15	2.38	2.00	1.90
55.0	36.19	31.72	27.66	3.01	2.63	2.29
56.0	27.92	25.61	27.54	2.45	2.38	2.06
57.0	27.09	30.48	32.32	2.47	1.99	1.70
58.0	30.93	33.61	34.89	2.34	2.19	2.18
59.0	37.24	39.15	42.80	3.42	2.82	2.54
60.0	40.20	57.24	42.37	3.44	2.88	2.31
61.0	41.49	41.63	39.72	3.79	3.06	2.82
62.0	37.06	38.14	37.17	3.19	3.07	2.75
63.0	36.50	38.28	37.23	3.17	2.55	2.73
64.0	36.55	38.03	36.67	3.70	3.56	4.10
65.0	37.81	38.24	37.89	5.85	5.93	5.13