

LTCC Lowpass Filter

Typical Performance Data

LFCV-2702+

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	0.08	41.29	38.69	34.46
1.0	0.10	0.08	0.13	38.19	38.19	37.43
2.0	0.11	0.11	0.15	33.36	34.81	33.29
3.0	0.13	0.13	0.19	27.50	26.72	29.27
4.0	0.21	0.18	0.26	32.37	29.34	35.34
5.0	0.28	0.22	0.32	33.39	33.10	32.63
6.0	0.28	0.24	0.36	27.84	28.63	27.18
7.0	0.28	0.23	0.36	24.99	24.14	24.58
8.0	0.32	0.26	0.41	21.20	20.78	20.65
9.0	0.42	0.34	0.49	18.65	18.77	18.54
10.0	0.51	0.43	0.57	16.90	16.06	17.06
11.0	0.68	0.55	0.69	16.72	16.25	16.89
12.0	0.77	0.62	0.76	17.76	17.22	18.19
13.0	0.63	0.51	0.69	18.49	17.87	19.16
14.0	0.61	0.39	0.61	21.09	21.05	22.23
15.0	0.64	0.41	0.65	30.00	27.44	34.05
16.0	0.76	0.54	0.77	31.65	31.56	30.40
17.0	0.97	0.71	0.90	23.88	22.95	23.47
18.0	1.04	0.82	1.05	18.50	19.08	18.73
19.0	0.87	0.72	1.03	17.91	18.06	19.50
20.0	0.93	0.67	1.05	18.74	18.37	19.23
21.0	1.10	0.84	1.15	19.00	19.39	21.15
22.0	1.16	0.90	1.20	25.76	24.91	28.83
23.0	1.30	0.95	1.33	27.14	26.61	24.78
24.0	1.48	1.13	1.58	21.26	21.14	20.63
25.0	1.71	1.38	1.95	17.08	17.94	18.05
26.0	1.90	1.51	2.17	15.91	16.23	16.06
27.0	2.13	1.70	2.44	15.34	15.89	15.31
28.0	3.06	2.41	3.84	11.22	11.89	9.44
29.0	5.85	4.55	7.64	6.13	6.50	5.08
30.0	12.60	10.51	15.08	3.09	3.03	2.81
31.0	20.88	18.59	23.39	2.27	2.02	2.26
32.0	29.59	27.04	32.25	1.66	1.49	1.69
33.0	38.54	35.97	40.54	1.27	0.95	1.20
34.0	43.91	43.46	43.28	1.35	1.02	1.31
35.0	43.60	43.29	42.54	1.37	0.93	1.12
36.0	43.57	43.06	43.78	1.64	1.01	1.23
37.0	43.11	42.38	42.59	1.66	1.21	1.43
38.0	42.53	42.11	42.75	1.18	1.04	1.11
39.0	42.46	42.44	42.91	1.02	0.62	0.87
40.0	43.16	42.69	43.51	1.40	0.84	1.38
41.0	43.37	43.27	43.59	1.55	1.26	1.35
42.0	43.48	43.50	43.28	1.43	1.04	1.08
43.0	43.31	43.51	43.75	1.31	1.00	1.17
44.0	43.24	43.43	44.02	1.91	1.63	1.77
45.0	43.50	43.62	44.74	1.42	1.01	1.48
46.0	44.49	43.88	45.43	1.24	0.88	1.13
47.0	45.83	45.10	46.38	1.39	0.94	1.01
48.0	42.62	45.09	42.54	1.61	1.32	1.39
49.0	43.47	42.52	44.99	1.54	1.39	1.57
50.0	45.86	45.31	46.37	1.59	1.18	1.70
51.0	46.90	47.09	47.41	1.60	1.30	1.67
52.0	47.03	45.57	48.71	1.50	1.18	1.30
53.0	49.30	49.42	48.67	2.11	1.53	2.04
54.0	49.49	48.02	49.00	3.53	3.30	3.89
55.0	46.31	51.03	45.86	3.22	3.29	3.46
56.0	49.28	46.50	51.76	2.36	2.60	3.01
57.0	61.24	53.15	59.64	2.80	2.20	3.14
58.0	52.63	58.37	43.41	3.02	2.23	2.54
59.0	39.82	44.08	33.37	4.58	4.18	6.21
60.0	30.70	29.96	31.47	4.41	4.53	3.15
61.0	33.01	29.03	32.19	2.72	2.12	1.26
62.0	34.23	30.16	31.63	1.96	0.04	0.06
63.0	35.26	31.20	33.39	2.83	0.19	1.40
64.0	35.77	35.01	34.38	5.28	3.48	4.11
65.0	37.81	38.14	35.67	10.49	7.84	9.72