

LTCC Lowpass Filter

Typical Performance Data

LFCV-2602+

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	0.07	41.39	37.62	36.02
0.5	0.05	0.07	0.10	34.68	34.46	33.66
1.0	0.08	0.10	0.13	38.19	38.19	37.43
2.0	0.11	0.11	0.15	34.81	33.36	33.29
3.0	0.13	0.13	0.19	26.72	27.50	29.27
4.0	0.18	0.21	0.26	29.34	32.37	35.34
5.0	0.22	0.28	0.32	33.10	33.39	32.63
6.0	0.24	0.28	0.36	28.63	27.84	27.18
7.0	0.23	0.28	0.36	24.14	24.99	24.58
8.0	0.26	0.32	0.41	20.78	21.20	20.65
9.0	0.34	0.42	0.49	18.77	18.65	18.54
10.0	0.43	0.51	0.57	16.06	16.90	17.06
10.6	0.51	0.60	0.64	15.79	16.51	16.62
11.0	0.55	0.68	0.69	16.25	16.72	16.89
12.0	0.62	0.77	0.76	17.22	17.76	18.19
13.0	0.51	0.63	0.69	17.87	18.49	19.16
14.0	0.39	0.61	0.61	21.05	21.09	22.23
15.0	0.41	0.64	0.65	27.44	30.00	34.05
16.0	0.54	0.76	0.77	31.56	31.65	30.40
17.0	0.71	0.97	0.90	22.95	23.88	23.47
18.0	0.82	1.04	1.05	19.08	18.50	18.73
19.0	0.72	0.87	1.03	18.06	17.91	19.50
20.0	0.67	0.93	1.05	18.37	18.74	19.23
21.0	0.84	1.10	1.15	19.39	19.00	21.15
21.4	0.88	1.12	1.17	21.18	20.47	23.37
22.0	0.90	1.16	1.20	24.91	25.76	28.83
23.0	0.95	1.30	1.33	26.61	27.14	24.78
24.0	1.13	1.48	1.58	21.14	21.26	20.63
25.0	1.38	1.71	1.95	17.94	17.08	18.05
26.0	1.51	1.90	2.17	16.23	15.91	16.06
27.0	1.70	2.13	2.44	15.89	15.34	15.31
28.0	2.41	3.06	3.84	11.89	11.22	9.44
29.0	4.55	5.85	7.64	6.50	6.13	5.08
30.0	10.51	12.60	15.08	3.03	3.09	2.81
31.0	18.59	20.88	23.39	2.02	2.27	2.26
32.0	27.04	29.59	32.25	1.49	1.66	1.69
33.0	35.97	38.54	40.54	0.95	1.27	1.20
34.0	43.46	43.91	43.28	1.02	1.35	1.31
35.0	43.29	43.60	42.54	0.93	1.37	1.12
36.0	43.06	43.57	43.78	1.01	1.64	1.23
37.0	42.38	43.11	42.59	1.21	1.66	1.43
38.0	42.11	42.53	42.75	1.04	1.18	1.11
39.0	42.44	42.46	42.91	0.62	1.02	0.87
40.0	42.69	43.16	43.51	0.84	1.40	1.38
41.0	43.27	43.37	43.59	1.26	1.55	1.35
42.0	43.50	43.48	43.28	1.04	1.43	1.08
43.0	43.51	43.31	43.75	1.00	1.31	1.17
44.0	43.43	43.24	44.02	1.63	1.91	1.77
45.0	43.62	43.50	44.74	1.01	1.42	1.48
46.0	43.88	44.49	45.43	0.88	1.24	1.13
47.0	45.10	45.83	46.38	0.94	1.39	1.01
48.0	45.09	42.62	42.54	1.32	1.61	1.39
49.0	42.52	43.47	44.99	1.39	1.54	1.57
49.3	44.44	45.26	46.72	1.32	1.54	1.65
50.0	45.31	45.86	46.37	1.18	1.59	1.70
51.0	47.09	46.90	47.41	1.30	1.60	1.67
52.0	45.57	47.03	48.71	1.18	1.50	1.30
53.0	49.42	49.30	48.67	1.53	2.11	2.04
54.0	48.02	49.49	49.00	3.30	3.53	3.89
55.0	51.03	46.31	45.86	3.29	3.22	3.46
56.0	46.50	49.28	51.76	2.60	2.36	3.01
57.0	53.15	61.24	59.64	2.20	2.80	3.14
58.0	58.37	52.63	43.41	2.23	3.02	2.54
59.0	44.08	39.82	33.37	4.18	4.58	6.21
60.0	29.96	30.70	31.47	4.53	4.41	3.15
61.0	29.03	33.01	32.19	2.12	2.72	1.26
62.0	30.16	34.23	31.63	0.04	1.96	0.06
63.0	31.20	35.26	33.39	0.19	2.83	1.40
64.0	35.01	35.77	34.38	3.48	5.28	4.11
65.0	38.14	37.81	35.67	7.84	10.49	9.72