

LTCC Lowpass Filter

Typical Performance Data

LFCV-3202+

FREQUENCY (GHz)	INSERTION LOSS (dB)			RETURN LOSS (dB)		
	@-55°C	@+25°C	@+125°C	@-55°C	@+25°C	@+125°C
0.1	0.04	0.06	0.07	39.86	37.67	35.59
1.0	0.10	0.11	0.14	34.68	35.35	35.84
2.0	0.09	0.11	0.14	30.80	30.95	30.97
3.0	0.09	0.13	0.15	23.65	24.45	25.13
4.0	0.19	0.22	0.24	24.76	25.74	26.45
5.0	0.25	0.27	0.29	29.39	30.28	30.99
6.0	0.22	0.25	0.28	31.28	32.77	34.20
7.0	0.21	0.24	0.26	31.38	30.30	28.73
8.0	0.21	0.25	0.27	24.26	23.44	23.04
9.0	0.28	0.34	0.37	19.86	19.37	18.89
10.0	0.49	0.50	0.52	16.65	16.98	17.07
11.0	0.65	0.66	0.67	15.23	15.17	15.30
12.0	0.63	0.70	0.73	14.21	14.27	14.32
13.0	0.62	0.66	0.69	13.20	13.58	13.91
14.0	0.67	0.71	0.74	13.12	13.25	13.53
15.0	0.68	0.73	0.75	13.57	14.14	14.79
16.0	0.84	0.83	0.84	15.27	15.89	16.27
17.0	0.97	0.97	0.95	17.74	17.57	18.00
18.0	0.78	0.89	0.93	20.13	20.62	21.44
19.0	0.63	0.71	0.81	20.72	20.72	20.99
20.0	0.73	0.82	0.91	20.22	20.28	19.72
21.0	0.86	0.96	1.04	17.58	17.29	16.86
22.0	1.16	1.21	1.19	15.22	15.46	15.94
23.0	1.16	1.27	1.29	15.07	15.50	15.42
24.0	1.07	1.24	1.37	15.34	15.79	16.20
25.0	1.06	1.23	1.38	15.93	16.25	17.42
26.0	1.05	1.20	1.32	19.61	19.95	20.01
27.0	0.96	1.09	1.18	23.15	25.50	26.03
28.0	1.08	1.22	1.32	34.09	30.25	29.34
29.0	1.43	1.53	1.69	24.90	24.64	25.40
30.0	1.47	1.67	1.90	24.98	25.55	25.54
31.0	1.52	1.83	2.09	24.11	28.73	29.80
32.0	1.63	1.86	2.13	35.75	48.05	32.57
33.0	1.80	2.11	2.46	26.65	22.89	25.20
34.0	2.22	2.63	3.19	21.88	27.24	27.84
35.0	3.47	4.27	5.76	17.69	13.18	9.53
36.0	7.12	9.01	11.68	6.28	5.04	4.23
37.0	13.60	16.43	19.35	2.19	2.42	2.46
38.0	21.58	23.71	26.48	1.90	1.85	1.75
39.0	28.67	30.91	33.08	1.82	1.55	1.67
40.0	35.26	36.75	38.14	1.70	1.63	1.68
41.0	39.17	39.75	39.78	2.36	2.03	1.79
41.5	39.45	40.57	40.95	2.23	1.97	1.75
42.0	41.16	41.84	41.87	1.82	1.74	1.67
43.0	40.59	40.58	40.94	1.19	1.36	1.34
44.0	41.02	41.27	40.94	1.67	1.46	1.52
45.0	41.82	42.26	42.02	1.47	1.37	1.50
46.0	40.30	40.26	40.22	1.21	1.25	1.16
47.0	39.98	40.69	40.15	2.14	1.64	1.51
48.0	40.60	40.95	41.08	2.06	1.84	1.83
49.0	40.53	40.73	41.27	1.44	1.45	1.49
50.0	42.48	43.21	43.78	1.47	1.20	1.38
51.0	39.16	40.02	40.14	1.21	1.33	1.38
52.0	41.71	41.43	41.85	1.48	1.50	1.22
53.0	42.80	43.86	43.05	2.33	1.77	1.85
54.0	41.00	40.65	41.09	2.11	1.92	1.89
55.0	41.18	41.06	41.49	1.25	1.27	1.20
56.0	41.85	43.40	43.50	1.20	1.12	1.64
57.0	42.44	43.08	45.28	0.92	1.19	1.42
58.0	48.10	49.62	44.90	2.19	2.63	2.08
59.0	43.39	43.55	42.96	3.51	2.31	2.62
60.0	44.81	43.12	42.06	2.97	2.52	2.72
61.0	42.12	41.15	39.25	1.71	2.18	2.15
62.0	39.90	38.45	35.70	2.10	2.25	3.44
63.0	36.90	36.21	39.38	2.78	3.44	3.32
64.0	40.19	41.46	42.82	5.14	4.51	4.56
65.0	45.15	45.31	45.28	7.41	6.11	6.14