

LTCC Lowpass Filter

Typical Performance Data

LFCV-3002+

FREQUENCY (GHz)	INSERTION LOSS (dB)			RETURN LOSS (dB)		
	@-55°C	@+25°C	@+125°C	@-55°C	@+25°C	@+125°C
0.1	0.05	0.05	0.04	40.39	37.85	34.82
1.0	0.09	0.10	0.10	32.47	33.48	34.13
2.0	0.12	0.12	0.10	27.09	26.79	26.58
3.0	0.17	0.16	0.13	21.24	21.63	22.14
4.0	0.23	0.22	0.21	21.33	21.98	22.67
5.0	0.24	0.24	0.23	24.11	24.43	25.36
6.0	0.22	0.23	0.24	24.88	25.77	27.29
7.0	0.24	0.25	0.27	30.92	30.97	32.11
8.0	0.20	0.22	0.24	32.17	30.84	29.97
9.0	0.21	0.24	0.28	23.99	23.54	23.03
10.0	0.41	0.42	0.47	18.30	18.66	19.13
11.0	0.50	0.51	0.57	16.15	16.15	16.29
12.0	0.49	0.53	0.58	15.22	15.24	15.32
13.0	0.56	0.58	0.62	13.71	13.99	14.28
14.0	0.50	0.54	0.58	13.55	13.49	13.74
15.0	0.56	0.58	0.59	14.28	14.57	15.20
16.0	0.60	0.61	0.68	15.92	16.55	17.07
17.0	0.72	0.72	0.78	18.86	18.52	18.82
18.0	0.70	0.72	0.77	23.89	23.86	25.19
19.0	0.54	0.57	0.67	25.63	25.41	25.71
20.0	0.61	0.64	0.74	24.46	24.99	24.74
21.0	0.70	0.75	0.86	19.23	19.22	19.14
22.0	0.88	0.93	1.02	17.57	17.24	17.99
23.0	0.89	0.94	1.03	18.98	19.99	20.69
24.0	0.87	0.92	1.04	21.53	21.81	22.70
25.0	0.89	0.95	1.09	27.33	27.20	30.31
26.0	0.90	0.99	1.15	27.41	23.61	22.46
27.0	1.03	1.13	1.31	18.09	17.60	17.28
28.0	1.24	1.36	1.52	14.74	14.68	14.57
29.0	1.58	1.74	1.99	12.52	11.98	12.07
30.0	1.90	2.04	2.33	12.31	12.60	12.79
31.0	1.94	2.14	2.44	11.45	11.05	10.86
32.0	2.19	2.44	2.89	10.97	10.77	10.40
33.0	2.63	3.16	4.13	9.83	9.09	7.80
34.0	5.07	6.61	8.70	4.51	3.52	2.82
35.0	11.27	12.96	15.14	2.20	2.09	2.13
36.0	17.85	19.54	21.79	1.46	1.33	1.39
37.0	24.65	26.46	28.63	1.01	0.94	1.03
38.0	30.94	32.56	34.55	0.78	0.85	1.16
39.0	36.47	37.56	39.03	0.82	0.78	0.96
40.0	40.22	40.87	41.35	0.81	0.72	0.83
41.0	41.56	41.82	42.39	0.80	0.74	1.01
42.0	42.03	42.26	42.43	0.88	0.93	0.98
43.0	42.32	42.65	42.27	0.77	0.67	0.74
44.0	42.16	42.20	42.01	0.61	0.53	0.68
45.0	41.54	41.39	41.43	0.93	0.89	1.13
46.0	40.08	40.60	40.73	0.96	0.84	0.92
47.0	40.39	40.07	40.30	0.71	0.60	0.68
48.0	39.54	39.37	39.20	0.94	0.92	1.11
49.0	38.49	38.25	37.73	1.16	1.10	1.09
50.0	39.07	38.42	38.37	1.22	1.07	1.15
51.0	39.75	40.01	39.65	1.69	1.70	1.95
52.0	36.90	36.91	36.52	2.11	1.97	1.97
53.0	36.62	37.22	37.30	1.44	1.39	1.48
54.0	35.49	35.58	35.72	1.87	1.95	2.33
55.0	35.37	32.52	32.33	2.22	2.32	2.56
56.0	32.20	32.39	32.78	2.84	2.64	2.85
57.0	33.02	32.50	32.40	2.57	2.65	3.11
58.0	31.81	30.82	29.52	3.01	3.24	3.67
59.0	29.14	27.41	30.44	3.33	4.04	4.68
60.0	30.42	33.68	36.27	4.38	4.60	5.43
61.0	35.24	38.09	46.35	4.07	4.50	5.67
62.0	47.05	40.24	38.92	4.09	4.51	5.15
63.0	39.66	41.22	44.78	3.90	4.41	6.00
64.0	44.23	48.71	59.65	5.41	6.31	6.16
65.0	73.23	45.64	35.97	0.98	1.93	3.60