

# LTCC Lowpass Filter

Typical Performance Data

# LFCV-2802+

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	0.08	41.17	38.33	36.03
1.0	0.08	0.11	0.15	33.90	35.46	36.54
2.0	0.10	0.14	0.17	28.45	27.90	27.58
3.0	0.14	0.18	0.22	22.20	22.77	23.36
4.0	0.20	0.24	0.29	23.03	24.04	24.84
5.0	0.22	0.27	0.33	27.07	27.40	28.33
6.0	0.23	0.28	0.34	25.99	27.27	28.93
7.0	0.22	0.28	0.35	30.79	31.94	32.76
8.0	0.21	0.28	0.36	26.65	26.51	25.71
9.0	0.28	0.35	0.44	21.57	21.43	21.03
10.0	0.40	0.47	0.55	16.99	17.40	17.61
11.0	0.48	0.56	0.65	15.93	16.11	16.12
12.0	0.56	0.65	0.74	15.39	15.71	15.94
13.0	0.57	0.65	0.75	14.42	14.88	15.26
14.0	0.42	0.53	0.64	15.47	15.62	16.21
15.0	0.43	0.52	0.65	17.25	17.97	19.33
16.0	0.51	0.63	0.75	20.85	21.97	22.48
17.0	0.64	0.75	0.86	29.02	28.47	28.25
18.0	0.75	0.86	0.99	23.32	22.97	21.89
19.0	0.63	0.77	0.96	18.17	18.01	18.12
20.0	0.67	0.79	1.02	16.38	16.73	16.44
21.0	0.83	0.96	1.13	15.53	15.79	16.43
22.0	0.93	1.11	1.22	15.73	16.08	16.95
23.0	1.03	1.22	1.34	20.49	21.70	23.21
24.0	1.03	1.21	1.43	30.74	32.82	35.30
25.0	1.02	1.22	1.52	25.57	23.81	21.60
26.0	1.17	1.42	1.74	15.54	14.94	14.56
27.0	1.40	1.64	1.91	13.49	13.99	14.00
28.0	1.73	2.04	2.31	12.35	12.19	12.30
29.0	2.04	2.42	2.85	11.74	11.88	11.98
30.0	2.57	3.17	4.08	10.92	10.36	9.28
31.0	4.58	5.87	7.80	6.49	5.70	4.90
32.0	9.43	11.47	14.17	3.09	2.99	2.72
33.0	16.98	19.39	22.26	1.43	1.53	1.52
34.0	25.06	27.26	30.01	0.99	1.19	1.32
35.0	33.03	35.29	38.20	0.90	1.09	1.11
36.0	41.05	42.90	44.08	0.84	1.08	1.07
37.0	43.56	43.54	43.58	1.10	1.29	1.34
38.0	43.67	42.94	43.31	0.96	1.07	1.01
39.0	42.39	42.12	42.18	0.52	0.63	0.74
40.0	42.57	42.84	42.48	0.54	0.69	0.96
41.0	42.84	43.47	43.48	0.83	1.03	0.99
42.0	44.03	43.80	43.90	1.11	1.25	1.09
43.0	43.75	43.70	43.27	1.16	1.16	1.23
44.0	43.40	43.49	43.85	1.51	1.54	1.58
45.0	43.41	43.26	43.54	0.78	0.95	1.15
46.0	42.72	44.00	43.71	0.73	0.85	0.99
47.0	44.60	43.92	44.08	1.03	1.14	1.00
48.0	43.53	43.23	43.56	1.47	1.53	1.49
49.0	43.30	43.98	44.67	1.30	1.29	1.47
50.0	45.62	46.52	44.77	0.80	0.96	1.27
51.0	42.62	37.98	38.44	1.09	1.30	1.54
52.0	37.50	38.84	39.55	1.28	1.37	1.30
53.0	40.12	40.95	41.67	1.77	2.06	2.17
54.0	39.57	39.95	40.28	2.27	2.58	2.66
55.0	39.23	39.74	39.61	2.42	2.49	2.46
56.0	39.27	38.74	38.03	1.88	2.01	2.28
57.0	36.39	36.41	41.06	1.69	2.13	2.26
58.0	41.28	45.41	47.26	2.18	2.65	2.07
59.0	46.46	46.80	46.54	2.64	2.82	2.62
60.0	45.92	45.54	45.20	2.31	2.40	2.69
61.0	42.35	44.84	44.69	1.76	2.00	1.48
62.0	43.26	41.25	40.29	0.23	0.63	0.59
63.0	40.13	40.40	42.23	1.95	2.43	2.64
64.0	43.89	44.60	45.07	4.38	5.18	4.37
65.0	59.19	50.17	45.91	6.34	6.11	6.55