

LTCC Lowpass Filter

Typical Performance Data

LFCN-3802+

FREQUENCY (GHz)	INSERTION LOSS (dB)			RETURN LOSS (dB)		
	@-55°C	@+25°C	@+125°C	@-55°C	@+25°C	@+125°C
0.1	0.06	0.04	0.03	37.13	38.45	37.04
1.0	0.10	0.09	0.08	34.09	35.27	34.65
2.0	0.11	0.12	0.10	48.47	45.56	47.21
3.0	0.13	0.15	0.12	28.47	30.62	32.28
4.0	0.16	0.18	0.16	27.33	30.01	32.19
5.0	0.17	0.20	0.18	33.33	34.76	35.39
6.0	0.18	0.21	0.21	31.86	37.71	46.12
7.0	0.19	0.23	0.22	36.08	41.94	41.16
8.0	0.20	0.25	0.25	38.91	36.05	34.19
9.0	0.20	0.25	0.27	33.20	29.62	27.51
10.0	0.27	0.32	0.33	25.54	25.54	26.37
11.0	0.35	0.40	0.40	20.78	20.89	20.73
12.0	0.36	0.43	0.44	19.46	19.39	19.58
13.0	0.37	0.43	0.46	17.48	18.28	18.82
14.0	0.39	0.45	0.49	16.12	16.42	16.22
15.0	0.45	0.51	0.52	15.62	15.99	16.64
16.0	0.61	0.66	0.66	15.71	16.43	16.83
17.0	0.70	0.74	0.75	15.23	15.89	15.77
18.0	0.55	0.64	0.67	16.39	16.60	17.33
19.0	0.47	0.55	0.60	18.51	19.28	19.20
20.0	0.49	0.55	0.61	20.57	21.64	21.54
21.0	0.53	0.63	0.69	25.14	24.39	25.78
22.0	0.64	0.73	0.77	23.31	23.65	22.58
23.0	0.69	0.81	0.83	22.07	20.40	21.61
24.0	0.68	0.80	0.89	17.03	17.77	16.79
25.0	0.72	0.87	0.98	14.82	14.79	15.01
26.0	0.84	1.01	1.11	12.97	12.86	13.17
27.0	1.08	1.17	1.25	11.43	12.13	11.72
28.0	1.22	1.33	1.36	11.50	11.50	11.75
29.0	1.30	1.41	1.49	10.95	10.99	11.20
30.0	1.27	1.38	1.50	11.13	11.72	11.64
31.0	1.21	1.38	1.48	12.09	12.24	12.67
32.0	1.24	1.37	1.47	12.07	12.39	12.63
33.0	1.14	1.24	1.34	14.32	15.07	15.16
34.0	0.91	1.09	1.23	18.28	18.30	18.74
35.0	1.11	1.31	1.48	18.49	19.01	18.85
36.0	1.46	1.62	1.75	19.89	19.85	18.77
37.0	1.42	1.62	1.84	19.76	19.58	20.07
38.0	1.34	1.59	1.84	20.27	21.98	22.05
39.0	1.48	1.70	2.07	20.73	20.96	18.13
40.0	1.97	2.40	2.99	16.89	14.74	12.31
41.0	3.24	3.92	4.85	9.95	8.92	7.66
41.5	4.19	4.99	6.11	7.67	7.12	6.04
42.0	5.27	6.21	7.50	5.97	5.64	4.86
43.0	7.91	9.29	10.76	4.15	3.88	4.13
44.0	11.75	13.15	14.93	3.29	3.60	3.89
45.0	15.75	17.47	19.73	3.65	3.89	4.83
46.0	21.04	23.27	26.00	3.38	4.13	4.50
47.0	27.79	30.05	32.62	4.38	4.28	4.42
48.0	34.49	35.90	37.53	3.19	3.18	3.05
49.0	37.56	37.78	37.83	2.61	2.77	2.90
50.0	37.22	36.89	36.49	2.20	2.26	2.49
51.0	36.52	35.70	35.45	1.68	1.78	1.74
52.0	34.13	34.21	33.88	2.07	2.08	2.21
53.0	33.14	33.57	33.43	1.95	2.20	2.30
54.0	32.84	32.70	32.90	1.95	2.13	2.18
55.0	31.46	31.88	31.64	3.10	2.69	3.09
56.0	31.92	32.09	32.39	2.55	2.53	2.55
57.0	33.13	33.36	33.27	1.78	1.92	2.13
58.0	34.43	34.68	35.55	2.26	2.31	2.93
59.0	36.14	36.31	36.55	2.32	2.70	2.67
60.0	37.38	37.45	37.52	4.00	3.30	3.73
61.0	36.54	37.52	37.17	4.96	4.04	4.68
62.0	36.80	36.60	37.59	2.82	3.28	3.07
63.0	36.28	37.46	38.01	2.52	2.59	3.48
64.0	37.72	38.32	37.78	3.30	3.49	4.46
65.0	37.53	35.98	37.25	5.68	6.05	5.61
67.0	48.11	46.49	47.46	0.99	0.87	1.05



P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 • Fax (718) 332-4661 For detailed performance specs & shopping online see Mini-Circuits web site

The Design Engineers Search Engine Provides ACTUAL Data Instantly From MINI-CIRCUITS At: www.minicircuits.com

IF/RF MICROWAVE COMPONENTS