

LTCC Low Pass Filter

Typical Performance Data

LFHKL-2850+

FREQUENCY (GHz)	INSERTION LOSS (dB)			RETURN LOSS (dB)		
	@-55°C	@+25°C	@+125°C	@-55°C	@+25°C	@+125°C
0.01	0.05	0.07	0.09	42.12	39.11	37.07
0.05	0.08	0.09	0.11	36.26	35.36	34.07
0.10	0.10	0.11	0.14	33.55	32.47	31.42
0.20	0.14	0.15	0.19	30.00	29.83	29.32
0.30	0.18	0.19	0.23	27.98	28.26	28.29
0.40	0.21	0.22	0.27	26.83	27.43	28.12
0.50	0.24	0.26	0.31	25.71	26.25	27.19
0.60	0.27	0.29	0.35	24.33	24.65	25.50
0.70	0.31	0.33	0.39	22.61	22.75	23.35
0.80	0.34	0.37	0.43	20.80	20.94	21.34
0.90	0.39	0.41	0.48	19.21	19.36	19.63
1.00	0.44	0.46	0.53	17.91	18.08	18.29
1.10	0.48	0.51	0.58	17.01	17.15	17.35
1.20	0.53	0.55	0.63	16.46	16.61	16.82
1.30	0.57	0.59	0.67	16.30	16.50	16.74
1.40	0.59	0.61	0.69	16.66	16.92	17.18
1.50	0.60	0.62	0.71	17.77	18.03	18.30
1.60	0.59	0.62	0.71	20.00	20.16	20.43
1.70	0.58	0.62	0.72	24.20	24.04	24.26
1.80	0.59	0.64	0.75	31.42	30.61	30.15
1.90	0.63	0.68	0.80	26.48	26.60	26.14
2.00	0.69	0.74	0.87	20.91	21.01	20.95
2.10	0.77	0.83	0.96	17.92	17.99	18.10
2.20	0.85	0.90	1.04	16.47	16.54	16.80
2.30	0.90	0.96	1.10	16.26	16.42	16.92
2.40	0.92	0.98	1.13	17.52	17.92	18.88
2.50	0.92	1.00	1.17	21.42	22.62	25.06
2.60	0.96	1.06	1.27	39.48	44.42	31.61
2.70	1.09	1.22	1.46	21.40	20.07	18.76
2.80	1.31	1.46	1.73	15.25	14.87	14.67
2.90	1.54	1.69	1.98	13.11	13.37	14.08
3.00	1.70	1.89	2.31	14.45	15.56	16.71
3.50	18.11	19.25	20.94	0.86	0.81	0.82
4.00	36.90	37.86	39.26	0.31	0.27	0.27
5.00	78.43	73.98	70.51	0.16	0.15	0.16
6.00	58.86	58.71	58.60	0.27	0.18	0.18
7.00	57.00	56.84	56.79	0.25	0.12	0.12
8.00	55.94	55.65	55.72	0.15	0.04	0.03
9.00	55.48	55.55	55.59	0.15	0.05	0.01
10.00	55.62	55.72	55.58	0.09	0.07	0.04
11.00	54.19	54.16	54.04	0.11	0.03	0.02
12.00	54.45	54.47	54.68	0.15	0.01	-0.03
13.00	55.25	54.90	54.70	0.14	0.00	-0.02
14.00	55.91	55.86	56.25	0.12	0.01	-0.03
15.00	57.54	56.11	53.72	0.10	0.08	0.14
16.00	58.59	58.78	59.02	1.43	0.82	0.33
17.00	59.96	59.96	60.48	0.16	0.04	0.02
18.00	60.73	60.70	60.58	0.13	0.10	0.16
19.00	61.58	60.89	60.43	1.25	1.52	1.07
20.00	59.46	58.95	58.53	0.24	0.19	0.14
21.00	58.20	57.82	57.70	0.26	0.18	0.14
22.00	56.67	56.62	56.38	0.24	0.25	0.23
23.00	56.12	55.96	56.12	0.41	0.24	0.20
24.00	54.65	54.06	53.69	0.27	0.25	0.31
25.00	50.89	50.18	49.35	0.40	0.47	0.72
26.00	42.01	47.14	50.88	2.60	1.52	0.71
27.00	49.15	49.25	49.16	0.26	0.29	0.26
28.00	47.60	47.40	47.09	0.40	0.27	0.22
29.00	45.41	44.52	44.18	0.48	0.41	0.44
30.00	45.47	45.43	45.34	0.56	0.46	0.50
31.00	44.43	44.25	43.66	0.27	0.25	0.19
32.00	41.96	41.85	41.25	0.11	0.17	0.23
33.00	41.41	41.41	41.51	0.30	0.36	0.47
34.0	42.32	41.79	41.59	0.96	1.34	2.70
35.0	42.09	42.19	44.83	6.43	10.36	6.10