

# Ceramic Low Pass Filter

# LFCN-105

## Typical Performance Data

FREQ. (MHz)	INSERTION LOSS (dB)			INPUT RETURN LOSS (dB)			OUTPUT RETURNLOSS (dB)		
	@ -55° C	@ +25° C	@ +100° C	@ -55° C	@ +25° C	@ +100° C	@ -55° C	@ +25° C	@ +100° C
1	0.13	0.17	0.36	35.11	34.14	33.01	35.16	34.14	33.91
20	0.27	0.31	0.37	27.62	26.18	25.04	26.24	25.26	24.35
30	0.31	0.35	0.42	29.62	27.41	25.81	27.47	26.17	25.04
40	0.35	0.39	0.46	30.55	28.14	26.34	28.06	26.72	25.51
50	0.39	0.44	0.51	30.60	28.39	26.58	27.31	26.15	25.08
60	0.43	0.49	0.56	30.46	28.50	26.68	26.72	25.77	24.82
70	0.48	0.54	0.61	30.43	28.64	26.82	26.19	25.40	24.57
80	0.53	0.60	0.67	30.46	28.60	26.79	25.95	25.20	24.42
90	0.59	0.66	0.74	30.63	28.49	26.72	25.82	25.00	24.23
100	0.65	0.73	0.82	30.00	27.80	26.23	25.62	24.67	23.90
105	0.70	0.78	0.87	29.11	27.11	25.74	25.39	24.40	23.65
125	0.89	0.98	1.09	23.15	22.54	22.11	22.38	21.80	21.36
180	2.99	3.08	3.22	9.45	10.00	10.47	7.43	7.72	7.96
195	5.11	5.14	5.26	7.34	7.95	8.49	4.53	4.79	5.03
215	10.72	10.55	10.58	5.69	6.29	6.87	2.17	2.37	2.56
225	15.21	14.86	14.79	5.04	5.61	6.17	1.59	1.76	1.93
235	21.02	20.44	20.21	4.38	4.90	5.42	1.28	1.43	1.57
250	32.43	31.43	30.93	3.52	3.96	4.40	1.07	1.20	1.33
255	36.97	35.88	35.31	3.29	3.72	4.13	1.04	1.16	1.28
265	45.79	45.61	45.57	2.93	3.31	3.69	0.98	1.10	1.21
270	46.67	47.83	49.04	2.78	3.15	3.51	0.96	1.07	1.19
300	37.31	37.74	38.07	2.19	2.49	2.77	0.87	0.97	1.07
330	35.39	35.50	35.63	1.78	2.03	2.28	0.80	0.90	1.00
400	42.63	42.19	41.96	1.12	1.27	1.44	0.67	0.76	0.85
455	56.73	57.30	56.82	0.78	0.89	1.01	0.59	0.67	0.75
500	46.66	47.15	47.59	0.59	0.68	0.78	0.54	0.61	0.69
585	43.81	43.86	44.03	0.40	0.45	0.53	0.44	0.51	0.58
700	47.23	46.98	46.83	0.27	0.31	0.36	0.35	0.40	0.47
800	55.17	54.28	53.51	0.23	0.25	0.30	0.30	0.35	0.42
890	68.27	69.26	68.87	0.21	0.23	0.27	0.26	0.30	0.36
1000	54.45	55.37	56.42	0.19	0.22	0.25	0.22	0.27	0.33
1650	49.30	51.39	52.86	0.17	0.22	0.28	0.25	0.27	0.31
2000	42.90	43.21	43.36	0.15	0.21	0.30	0.17	0.21	0.26
3000	31.00	31.32	31.63	0.62	0.80	0.84	0.21	0.26	0.33
4750	25.08	25.73	26.42	0.17	0.31	0.54	1.23	1.56	2.03
5000	24.40	24.19	24.55	0.29	0.43	0.64	1.02	1.11	1.22
7000	18.55	18.65	18.77	0.73	0.79	0.90	1.22	1.26	1.39
9000	23.40	22.84	22.59	12.33	10.12	8.61	2.18	2.05	2.02
11000	25.51	25.61	25.84	10.88	12.43	14.31	6.26	6.18	6.61
13000	21.99	19.10	17.65	5.14	5.09	5.43	13.40	11.80	8.12
15000	12.05	12.33	12.80	4.23	3.78	3.99	2.35	2.40	2.74

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