

# Ceramic Low Pass Filter

# LFCN-80

## 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	0.16	0.22	0.28	34.20	32.26	30.03	33.5	32.26	32.78
20	0.29	0.35	0.41	29.72	27.70	25.93	29.91	28.01	26.33
25	0.29	0.36	0.42	30.06	28.24	26.40	30.24	28.68	26.84
30	0.35	0.42	0.49	27.71	27.04	25.81	28.11	27.67	26.44
35	0.38	0.44	0.51	26.76	26.51	25.54	27.46	27.47	26.55
40	0.42	0.49	0.56	25.66	25.84	25.13	26.39	26.91	26.31
45	0.44	0.52	0.59	24.97	25.31	24.87	25.96	26.75	26.36
50	0.48	0.55	0.62	24.29	24.77	24.46	25.37	26.30	26.10
60	0.54	0.62	0.70	23.55	24.06	23.93	24.54	25.46	25.52
70	0.62	0.71	0.79	23.30	23.62	23.48	24.61	25.39	25.48
80	0.70	0.80	0.89	23.78	23.74	23.43	25.56	25.91	25.78
95	0.85	0.97	1.08	25.07	24.26	23.64	28.69	27.61	26.89
145	2.85	2.99	3.14	8.79	9.30	9.72	8.37	8.89	9.32
165	5.53	5.76	6.01	8.69	8.43	8.36	6.14	6.24	6.34
180	16.98	15.53	14.93	4.95	6.03	6.69	2.94	3.53	3.91
185	24.87	22.60	21.43	3.26	3.95	4.47	2.09	2.51	2.83
190	31.34	29.32	27.95	2.54	3.02	3.39	1.69	2.00	2.25
195	33.13	32.37	31.65	2.17	2.55	2.85	1.47	1.73	1.94
200	34.10	33.53	33.14	1.95	2.28	2.53	1.34	1.57	1.74
215	42.30	40.63	39.66	1.62	1.89	2.10	1.12	1.31	1.45
225	44.11	43.91	43.42	1.50	1.75	1.95	1.04	1.21	1.34
230	41.85	42.19	42.24	1.45	1.69	1.89	1.00	1.18	1.30
265	37.71	37.59	37.51	1.18	1.38	1.58	0.83	0.99	1.09
290	40.73	40.22	39.91	1.00	1.19	1.34	0.76	0.90	1.02
310	45.67	44.57	43.97	0.91	1.07	1.22	0.72	0.86	0.97
345	55.45	56.57	56.17	0.73	0.87	0.98	0.60	0.74	0.83
400	43.95	44.36	44.59	0.54	0.63	0.70	0.54	0.64	0.74
550	48.64	47.90	47.59	0.29	0.32	0.38	0.35	0.43	0.50
650	61.20	65.21	65.14	0.24	0.27	0.32	0.27	0.34	0.39
800	45.27	46.02	46.58	0.19	0.22	0.26	0.22	0.28	0.33
1550	41.45	43.17	45.26	0.22	0.25	0.27	0.36	0.39	0.38
2000	44.93	44.70	44.11	0.23	0.24	0.28	0.28	0.31	0.33
2500	32.49	32.98	33.33	0.16	0.24	0.31	0.60	0.73	0.87
3000	41.65	36.84	34.82	0.26	0.32	0.41	6.89	11.03	11.38
3500	29.39	30.05	30.52	0.16	0.24	0.36	0.37	0.49	0.61
4000	27.62	27.49	27.61	0.20	0.30	0.42	0.25	0.38	0.47
4500	26.45	25.72	25.82	0.28	0.39	0.51	0.40	0.52	0.60
5000	23.85	24.34	24.65	0.37	0.57	0.77	0.25	0.43	0.59
5500	22.47	22.27	22.45	0.41	0.52	0.68	0.70	0.73	0.83
6000	20.56	21.13	21.51	0.75	0.83	0.90	0.56	0.74	0.93
8000	12.80	13.74	14.34	4.59	4.79	5.28	2.61	1.61	1.41
10000	9.35	9.59	9.96	3.82	4.38	5.29	5.01	4.29	4.11
12000	12.51	12.99	14.13	6.13	8.04	9.95	2.73	3.83	5.28

REV. X1  
LFCN-80  
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Page 1 of 1



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