

# Ceramic Low Pass Filter

# LFCN-1800+

## 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
50	0.04	0.05	0.06	45.09	41.13	39.57	42.22	39.12	37.86
100	0.06	0.10	0.09	44.16	42.02	40.46	41.51	39.30	38.55
500	0.15	0.19	0.24	31.76	29.70	27.84	29.77	28.08	26.68
1500	0.51	0.65	0.75	15.87	16.04	16.28	16.06	16.21	16.38
1800	0.67	0.87	1.03	20.49	21.92	23.08	20.49	21.57	22.38
1930	0.86	1.14	1.35	31.45	31.17	28.64	24.82	24.66	24.38
2125	2.62	3.53	4.39	8.93	7.76	6.88	9.85	8.98	8.33
2170	4.17	5.48	6.72	5.83	5.01	4.49	6.71	6.14	5.68
2190	5.11	6.66	8.08	4.69	4.06	3.64	5.54	5.11	4.80
2265	10.69	13.01	15.03	2.06	1.99	1.96	2.78	2.80	2.77
2315	15.98	18.79	21.26	1.37	1.45	1.52	1.97	2.10	2.15
2350	20.41	23.61	26.59	1.03	1.17	1.26	1.59	1.75	1.83
2380	24.80	28.84	32.27	0.93	1.09	1.21	1.47	1.65	1.73
2410	30.70	35.66	39.26	0.86	1.01	1.12	1.29	1.44	1.55
2425	34.94	39.07	39.89	0.77	0.93	1.07	1.23	1.39	1.49
2440	38.42	40.62	38.85	0.72	0.89	1.02	1.18	1.36	1.45
2500	36.69	35.20	34.47	0.67	0.83	0.98	1.00	1.18	1.30
2580	34.09	34.35	34.85	0.55	0.74	0.88	0.83	1.00	1.11
2870	47.00	45.71	43.97	0.42	0.61	0.75	0.59	0.75	0.87
2940	43.22	41.60	40.54	0.35	0.53	0.67	0.54	0.71	0.84
3320	34.44	34.59	34.54	0.35	0.52	0.63	0.40	0.58	0.72
4000	35.75	36.12	36.42	0.32	0.47	0.57	0.35	0.50	0.64
4500	37.52	38.15	38.37	0.38	0.53	0.66	0.29	0.47	0.55
5100	38.95	38.76	38.76	0.39	0.58	0.74	0.31	0.47	0.56
5500	33.64	38.10	34.92	0.53	0.64	0.88	0.36	0.48	0.61
6000	33.86	33.79	32.70	0.49	0.69	0.94	0.32	0.50	0.63
6500	31.52	30.93	30.24	0.52	0.78	1.01	0.36	0.56	0.74
7200	26.78	24.46	23.42	0.61	0.96	1.13	0.64	1.17	1.73
7450	19.14	21.69	22.84	0.67	0.90	1.07	1.32	1.06	1.12
8000	21.97	22.94	22.76	0.66	0.90	1.07	0.70	0.88	1.14
8600	20.64	20.87	20.99	0.80	0.95	1.12	0.90	1.08	1.31
9500	17.86	18.48	18.24	0.86	0.99	1.24	1.05	1.16	1.43
10000	16.89	17.35	17.23	0.77	1.02	1.26	0.98	1.08	1.33
11000	14.46	14.70	14.53	0.80	1.14	1.32	0.97	1.26	1.37
12000	11.20	11.51	11.65	1.08	1.45	1.76	1.28	1.62	1.84
13000	8.21	8.00	8.07	1.77	2.59	3.28	1.83	2.58	3.26
13510	5.88	7.23	9.95	4.25	4.86	4.48	6.37	9.68	8.36
13840	14.61	15.15	14.23	2.72	2.65	2.78	3.45	2.74	2.76
14000	13.71	12.78	12.43	2.40	2.67	2.89	2.07	2.27	2.61
15000	11.56	10.80	10.09	2.17	3.06	4.01	2.81	3.65	4.96

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