

# Ceramic Low Pass Filter

# LFCN-5500D+

## 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
40	0.03	0.04	0.05	45.50	51.30	44.18	44.28	48.94	43.96
100	0.02	0.04	0.05	42.49	45.41	39.24	41.57	45.91	41.12
200	0.03	0.06	0.07	42.24	42.45	39.53	41.80	42.37	42.59
400	0.05	0.08	0.10	40.09	36.59	30.32	42.78	35.90	29.47
600	0.06	0.10	0.13	32.88	32.46	29.69	33.27	32.56	29.80
800	0.08	0.13	0.15	30.47	30.34	28.92	29.87	29.67	28.24
1000	0.09	0.14	0.17	28.26	27.87	27.60	28.81	27.97	27.72
1500	0.14	0.20	0.24	23.84	23.17	23.39	23.58	22.91	23.31
2000	0.18	0.25	0.30	20.20	20.27	20.35	20.03	20.20	20.36
2500	0.24	0.33	0.39	17.68	17.46	17.72	17.60	17.44	17.72
3000	0.32	0.40	0.47	15.61	16.01	16.40	15.58	15.99	16.32
3500	0.35	0.46	0.55	15.14	15.27	15.34	15.24	15.37	15.40
4000	0.33	0.47	0.58	17.20	16.81	16.21	17.09	16.67	16.09
4500	0.35	0.49	0.59	21.57	22.09	22.01	20.95	21.29	21.19
5000	0.55	0.71	0.84	23.13	22.56	21.82	20.52	21.05	21.32
5300	0.76	0.96	1.11	18.08	17.21	16.70	16.34	16.02	15.87
5500	0.98	1.19	1.35	15.11	14.64	14.41	14.17	14.00	13.97
5850	1.27	1.53	1.74	17.51	17.31	16.86	17.39	17.63	17.56
6000	1.64	2.05	2.38	15.87	14.32	13.31	18.63	17.13	16.07
6150	3.16	3.92	4.53	7.42	6.61	6.14	8.68	8.01	7.62
6200	4.10	5.03	5.79	5.86	5.29	4.98	6.50	6.02	5.78
6250	5.47	6.56	7.42	4.02	3.73	3.59	4.79	4.50	4.37
6400	11.20	12.68	13.85	1.82	1.90	1.98	2.17	2.17	2.22
6500	16.60	18.34	19.72	1.16	1.34	1.48	1.46	1.56	1.65
6600	23.50	25.83	27.83	0.79	1.01	1.18	1.11	1.24	1.34
6650	27.90	31.08	34.14	0.75	1.02	1.22	0.96	1.09	1.18
6700	34.54	40.49	49.56	0.60	0.82	1.00	0.91	1.04	1.14
6770	44.51	39.64	37.10	0.59	0.84	1.04	0.81	0.94	1.02
6850	33.57	32.16	31.48	0.58	0.79	0.96	0.72	0.86	0.95
7000	28.97	28.72	28.65	0.40	0.60	0.78	0.62	0.74	0.81
7200	28.44	28.58	28.70	0.40	0.56	0.70	0.54	0.67	0.74
8000	50.94	52.00	51.91	0.35	0.44	0.51	0.51	0.66	0.77
9000	35.91	35.50	35.03	0.62	0.80	0.99	0.46	0.78	1.07
9500	30.61	30.46	30.28	0.82	0.95	1.11	0.56	0.82	1.12
10000	27.23	27.42	27.41	0.92	1.18	1.44	0.54	0.77	1.00
12000	19.50	20.21	21.22	0.97	1.36	1.48	0.97	0.88	0.83
12100	19.60	20.17	20.86	0.94	1.26	1.36	1.00	0.90	0.81
14000	18.07	17.97	17.61	0.90	1.21	1.68	1.53	1.59	1.56
16000	15.98	16.83	17.32	1.70	1.55	1.57	1.88	2.38	2.92
18000	18.51	16.85	15.48	0.95	1.37	1.76	1.09	1.46	2.46
20000	15.10	15.98	17.51	1.60	3.51	3.57	1.95	2.18	2.30

REV. X1

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