

# Ceramic Low Pass Filter

# LFCN-490D+

## 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	0.02	0.05	0.08	47.08	46.06	45.07	47.08	46.06	46.01
50	0.15	0.18	0.21	30.19	29.03	28.44	29.98	28.79	28.26
100	0.20	0.25	0.29	27.56	26.92	26.68	27.09	26.38	26.03
490	0.66	0.82	0.96	28.82	28.80	28.43	27.90	27.66	27.14
545	0.84	1.04	1.23	23.04	22.47	21.75	23.36	22.86	22.18
650	1.98	2.45	2.91	10.80	10.30	9.80	13.06	13.17	13.28
670	2.57	3.19	3.81	8.78	8.31	7.85	11.63	11.97	12.33
700	4.29	5.34	6.43	5.70	5.29	4.91	9.34	9.73	9.97
730	8.44	10.24	12.07	2.95	2.82	2.71	6.04	6.22	6.22
750	13.26	15.54	17.78	1.87	1.93	1.97	4.21	4.44	4.52
765	17.90	20.47	23.00	1.44	1.57	1.67	3.32	3.59	3.72
780	23.37	26.27	29.11	1.21	1.37	1.48	2.73	3.01	3.17
790	27.57	30.75	33.83	1.10	1.27	1.39	2.45	2.73	2.90
800	32.42	35.89	38.94	1.03	1.20	1.33	2.23	2.51	2.68
810	38.09	41.27	42.83	0.97	1.14	1.27	2.05	2.32	2.50
880	46.81	48.37	49.73	0.72	0.88	1.00	1.36	1.60	1.77
895	51.09	51.96	51.46	0.69	0.84	0.96	1.27	1.50	1.67
1050	39.27	39.38	39.49	0.47	0.60	0.71	0.77	0.95	1.09
1345	51.34	52.31	53.37	0.28	0.41	0.51	0.43	0.55	0.65
1485	68.77	67.14	65.29	0.24	0.37	0.47	0.34	0.46	0.55
1720	57.55	57.46	57.39	0.21	0.33	0.43	0.27	0.38	0.45
2065	67.96	66.75	65.92	0.18	0.30	0.39	0.22	0.32	0.37
2500	52.78	54.57	54.19	0.19	0.31	0.40	0.17	0.27	0.31
3000	48.24	47.60	45.88	0.22	0.33	0.43	0.18	0.28	0.35
3500	44.71	43.44	41.60	0.20	0.34	0.44	0.13	0.26	0.36
4000	37.19	36.98	36.50	0.28	0.45	0.56	0.18	0.33	0.44
4690	19.10	18.00	19.76	1.21	1.47	1.18	1.05	1.29	1.04
5000	24.39	24.39	24.91	0.47	0.62	0.72	0.34	0.52	0.64
5500	25.03	24.86	25.01	0.40	0.59	0.82	0.33	0.57	0.86
6000	24.65	24.74	25.16	0.41	0.61	0.84	0.29	0.51	0.72
6500	22.75	23.13	23.54	0.45	0.64	0.89	0.28	0.49	0.70
7000	23.18	23.00	23.10	0.49	0.73	0.92	0.28	0.49	0.67
7500	21.23	20.98	21.21	0.71	0.96	1.16	0.31	0.50	0.67
8000	20.61	20.76	20.93	1.07	1.09	1.21	0.31	0.49	0.64
8500	19.56	19.65	19.27	0.79	1.01	1.20	0.32	0.53	0.66
9000	18.75	18.61	18.58	0.89	1.14	1.23	0.35	0.58	0.69
9500	17.45	17.56	17.51	0.91	1.20	1.39	0.36	0.64	0.84
10000	16.76	16.84	16.98	0.77	1.10	1.40	0.49	0.87	1.20
12000	26.65	26.21	26.42	3.87	4.98	5.67	5.11	5.51	5.68
14000	22.70	21.05	19.95	2.19	3.13	3.96	1.39	1.83	2.23
16000	10.35	10.17	10.42	4.24	5.21	6.53	4.44	4.81	5.32
18000	12.76	13.67	15.83	6.18	6.17	6.37	14.90	10.75	10.01

REV. X1  
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080722  
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