Ceramic Low Pass Filter LFHK-700+

Typical Performance Data

FREQ.	INSERTION LOSS			INPUT RETURN LOSS			OUTPUT RETURN LOSS		
(MHz)	(dB)			(dB)			(dB)		
	@-55°C	@+25°C	@+125°C	@-55°C	@+25°C	@+125°C	@-55°C	@+25°C	@+125°C
10	0.13	0.17	0.22	33.37	31.83	30.39	33.05	31.48	30.05
50	0.22	0.27	0.32	23.12	22.69	22.44	23.07	22.66	22.38
100	0.33	0.38	0.44	18.39	18.30	18.33	18.38	18.32	18.32
200	0.50	0.55	0.62	14.65	14.90	15.26	14.67	14.94	15.29
300	0.58	0.65	0.74	14.68	14.97	15.44	14.72	15.00	15.49
350	0.59	0.67	0.78	16.14	16.42	16.94	16.17	16.43	16.98
400	0.60	0.69	0.82	19.24	19.57	20.14	19.30	19.56	20.21
450	0.62	0.72	0.87	26.11	26.34	26.68	26.17	26.23	26.64
500	0.67	0.79	0.96	27.27	26.42	25.42	27.24	26.47	25.40
550	0.77	0.90	1.08	19.46	19.35	19.25	19.56	19.46	19.37
600	0.89	1.03	1.22	16.26	16.40	16.66	16.36	16.50	16.81
620	0.93	1.08	1.27	15.75	15.97	16.37	15.87	16.07	16.53
630	0.95	1.10	1.30	15.64	15.90	16.37	15.76	16.00	16.54
700	1.05	1.22	1.47	18.03	18.66	19.82	18.28	18.92	20.27
770	1.20	1.42	1.74	28.21	27.15	25.77	30.94	29.44	27.38
790	1.28	1.52	1.88	25.22	24.49	23.85	26.19	25.36	24.52
800	1.33	1.58	1.95	23.74	23.42	23.39	24.33	23.98	23.82
810	1.38	1.64	2.03	22.76	22.85	23.49	23.13	23.18	23.65
880	2.12	2.66	3.56	19.42	16.33	12.92	18.33	15.64	12.50
910	3.44	4.34	5.75	9.12	7.94	6.57	8.91	7.77	6.45
1000	14.35	15.61	17.31	1.39	1.48	1.54	1.38	1.46	1.55
1150	32.25	33.21	34.52	0.54	0.65	0.76	0.56	0.66	0.79
1900	82.37	82.72	87.93	0.40	0.49	0.57	0.40	0.48	0.59
2000	88.79	86.99	91.61	0.38	0.48	0.55	0.40	0.48	0.58
2500	96.56	93.16	111.87	0.33	0.43	0.50	0.34	0.43	0.52
3000	104.56	101.98	87.89	0.29	0.39	0.45	0.29	0.38	0.47
4000	98.00	94.45	94.05	0.27	0.39	0.45	0.29	0.40	0.48
4500	86.26	90.88	92.67	0.31	0.44	0.50	0.34	0.46	0.55
5000	90.43	99.37	91.06	0.38	0.51	0.58	0.40	0.53	0.62
6000	98.50	89.55	91.15	0.51	0.67	0.76	0.51	0.66	0.78
7000	76.73	79.29	83.56	0.60	0.76	0.84	0.66	0.76	0.86
8000	85.92	85.05	90.56	0.67	0.83	0.92	0.68	0.80	0.92
9000	88.70	90.73	95.17	0.82	0.92	0.95	0.77	0.87	0.94
10000	80.89	80.95	79.39	0.55	0.77	0.88	0.52	0.71	0.83
11000	74.60	74.38	77.36	0.50	0.74	0.87	0.50	0.74	0.90
12000	76.16	74.50	74.88	0.70	0.97	1.12	0.70	0.96	1.15
13000	75.26	77.25	77.16	1.08	1.31	1.39	1.08	1.28	1.40
14000	74.35	73.72	74.25	1.08	1.32	1.45	1.04	1.28	1.43
15000	64.65	64.08	63.64	0.93	1.13	1.27	0.84	1.11	1.27
16000	63.63	65.62	67.30	0.78	1.05	1.21	0.77	1.04	1.26
17000	67.86	67.57	67.20	0.90	1.22	1.41	0.86	1.18	1.44
18000	53.07	51.50	50.12	1.27	1.74	2.08	1.21	1.70	2.11
18500	46.64	53.41	65.77	1.70	1.85	1.88	1.67	1.82	1.89
20000	48.54	46.61	44.65	1.85	2.73	4.00	1.69	2.36	3.13
22000	26.02	26.61	29.48	3.11	3.93	4.85	2.85	3.51	4.45
24000	68.33	70.31	72.88	1.46	1.86	2.07	1.43	1.81	2.10
26000	49.17	48.32	50.00	3.29	3.60	3.86	3.11	3.51	3.88
28000	69.08	68.57	71.29	1.89	2.26	2.48	1.98	2.37	2.66
30000	68.01	70.14	66.50	1.57	2.18	2.60	1.43	1.99	2.48
32000	68.24	68.35	66.01	2.28	2.64	2.74	2.25	2.59	2.73
34000	61.83	60.59	60.84	1.97	2.60	3.02	2.01	2.77	3.28
38000	67.51	76.62	68.37	1.79	2.55	3.01	1.56	2.30	2.82
40000	42.56	41.25	42.77	3.08	3.87	4.33	3.35	4.39	4.72
42000	38.21	37.56	36.45	3.44	5.01	5.43	4.00	5.74	7.07
43000	34.50	36.35	37.12	3.60	3.52	3.72	4.40	4.05	4.35
44000	35.24	34.87	43.16	2.61	3.74	4.50	2.90	4.28	4.64
45000	40.67	42.58	50.15	3.77	4.46	4.62	3.25	3.80	4.30
46000	56.68	57.83	52.53	3.74	4.31	5.12	2.97	4.39	6.22
48000	51.02	41.91	33.69	2.77	4.00	5.22	5.46	6.81	7.17
50000	39.69	36.14	35.94	2.66	3.89	4.72	2.63	4.21	3.95

Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@-55°C	@+25°C	@+125°C
10	1.26	1.27	1.28
20	1.25	1.26	1.28
30	1.24	1.25	1.27
40	1.24	1.25	1.26
50	1.23	1.24	1.26
60	1.23	1.24	1.26
70	1.22	1.24	1.25
80	1.22	1.23	1.25
90	1.22	1.23	1.25
100	1.21	1.23	1.24
110	1.21	1.23	1.24
120	1.21	1.22	1.24
200	1.21	1.23	1.25
220	1.22	1.23	1.25
240	1.22	1.24	1.26
260	1.23	1.24	1.26
280	1.24	1.25	1.27
300	1.25	1.26	1.28
320	1.26	1.28	1.29
340	1.28	1.29	1.31
360	1.29	1.30	1.32
380	1.31	1.32	1.34
400	1.32	1.34	1.35
420	1.34	1.35	1.37
440	1.36	1.37	1.39
460	1.38	1.39	1.41
480	1.39	1.41	1.43
500	1.41	1.43	1.45
550	1.46	1.48	1.50
580	1.50	1.51	1.54
600	1.52	1.54	1.57
620	1.55	1.58	1.61
640	1.59	1.62	1.65
650	1.61	1.64	1.67
680	1.69	1.72	1.76
700	1.75	1.78	1.82