Ceramic Low Pass Filter LFHK-320+

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	0.22	0.28	0.36	28.57	27.34	26.23	28.51	27.27	26.11
50	0.41	0.47	0.55	18.31	18.11	18.08	18.32	18.13	18.09
100	0.60	0.67	0.76	14.63	14.76	15.01	14.67	14.81	15.06
150	0.71	0.79	0.90	14.35	14.69	15.16	14.41	14.75	15.24
180	0.74	0.84	0.96	15.98	16.41	17.03	16.06	16.49	17.14
190	0.75	0.85	0.98	17.00	17.46	18.13	17.08	17.53	18.26
200	0.75	0.86	1.01	18.35	18.85	19.58	18.44	18.93	19.73
220	0.78	0.90	1.06	22.55	23.10	23.84	22.79	23.32	24.22
250	0.87	1.01	1.19	27.01	25.93	24.73	27.77	26.59	25.27
280	1.02	1.18	1.39	17.97	17.78	17.59	18.10	17.94	17.74
300	1.15	1.32	1.54	15.03	15.05	15.13	15.13	15.16	15.24
320	1.28	1.46	1.69	13.50	13.67	13.96	13.58	13.75	14.05
350	1.42	1.62	1.87	13.31	13.71	14.35	13.35	13.75	14.41
370	1.48	1.69	1.98	14.77	15.43	16.42	14.84	15.46	16.49
380	1.50	1.73	2.04	16.21	17.04	18.26	16.32	17.08	18.35
400	1.58	1.86	2.23	21.39	22.51	23.78	21.68	22.70	24.13
410	1.65	1.96	2.37	25.21	25.66	25.70	25.83	26.22	26.34
460	2.53	3.13	4.06	24.48	20.58	16.17	24.45	20.57	16.17
490	5.37	6.69	8.55	7.01	6.14	5.19	7.05	6.16	5.23
500	7.36	8.84	10.86	4.59	4.18	3.71	4.62	4.21	3.76
520	12.28	13.83	15.85	2.23	2.23	2.18	2.28	2.26	2.23
550	19.86	21.25	23.09	1.10	1.22	1.30	1.16	1.25	1.36
600	30.79	31.97	33.56	0.60	0.72	0.81	0.65	0.74	0.86
620	34.64	35.76	37.28	0.51	0.63	0.72	0.57	0.65	0.77
700	47.91	48.87	50.28	0.36	0.47	0.55	0.41	0.48	0.60
780	58.98	59.91	61.50	0.32	0.42	0.50	0.37	0.43	0.54
990	82.52	82.11	83.31	0.31	0.40	0.48	0.36	0.41	0.52
1000	83.69	85.32	83.25	0.31	0.40	0.48	0.36	0.41	0.52
1150	96.17	99.31	91.56	0.32	0.41	0.49	0.36	0.42	0.52
2000	90.82	90.82	93.78	0.27	0.38	0.44	0.32	0.39	0.48
3000	83.95	88.27	91.33	0.20	0.31	0.37	0.22	0.31	0.39
3500	88.03	89.60	88.58	0.22	0.33	0.40	0.23	0.33	0.42
5500	86.74	87.89	87.37	0.43	0.58	0.66	0.48	0.59	0.70
6000	84.70	82.36	83.65	0.47	0.64	0.72	0.53	0.64	0.76
7000	87.27	82.27	82.50	0.66	0.82	0.87	0.71	0.83	0.90
8500	70.81	71.13	72.05	0.66	0.86	0.93	0.65	0.79	0.91
10000	60.36	64.65	67.50	0.56	0.77	0.86	0.58	0.76	0.89
12000	69.63	68.86	67.72	0.65	0.92	1.06	0.72	0.96	1.15
15000	58.84	59.85	57.32	1.33	1.70	1.96	1.40	1.71	1.96
16000	45.41	49.50	53.32	1.26	1.48	1.58	1.21	1.44	1.57
17000	46.40	46.39	49.35	1.25	1.82	2.42	1.18	1.63	2.11
18000	48.72	52.09	52.52	1.64	1.95	2.22	1.92	2.04	2.19
19000	35.89	37.87	42.58	4.47	3.41	2.65	3.64	4.46	3.55
20000	50.02	52.35	55.14	1.32	1.69	1.84	1.69	1.86	2.00
21000	51.60	49.98	51.16	1.50	2.25	2.68	1.50	2.15	2.67
22000	61.90	65.49	77.01	1.47	1.89	2.08	1.52	1.89	2.14
23000	74.81	73.61	74.44	1.62	2.18	2.62	1.61	2.09	2.59
24000	69.59	71.17	76.31	1.73	2.01	2.16	1.55	1.84	2.06
25000	74.34	76.16	75.14	1.21	1.79	2.06	1.15	1.71	2.01
26000	72.33	73.23	78.29	1.56	2.38	2.85	1.56	2.31	2.93
30000	68.91	66.48	66.68	1.62	2.27	2.67	1.44	2.02	2.52
31000	64.47	65.23	64.85	1.85	2.58	3.06	1.65	2.34	2.82
32000	65.04	64.93	64.73	1.89	2.42	2.61	1.99	2.49	2.75
33000	62.70	62.05	60.39	1.64	2.25	2.59	1.89	2.46	2.97
34000	57.31	57.51	57.21	1.77	2.48	3.00	1.90	2.64	3.21
35000	56.66	55.08	54.28	2.27	3.06	3.52	2.32	3.00	3.52
36000	60.15	53.54	46.77	2.64	3.35	3.96	2.53	3.23	3.92
37000	41.99	41.09	41.84	2.84	4.31	5.86	2.59	3.96	5.31
38000	42.97	48.41	45.20	4.51	4.15	4.00	4.36	4.04	3.89
40000	33.29	32.85	34.87	2.95	3.89	4.18	3.13	4.09	4.50

Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@-55°C	@+25°C	@+125°C
10	2.37	2.40	2.42
15	2.37	2.39	2.42
20	2.36	2.39	2.42
25	2.36	2.38	2.41
30	2.35	2.38	2.41
40	2.34	2.37	2.40
50	2.34	2.37	2.40
60	2.33	2.36	2.40
70	2.33	2.36	2.40
80	2.33	2.36	2.40
90	2.33	2.36	2.40
100	2.34	2.37	2.41
110	2.34	2.37	2.41
120	2.35	2.38	2.42
130	2.37	2.39	2.43
140	2.38	2.41	2.45
150	2.39	2.42	2.46
160	2.41	2.44	2.48
170	2.43	2.46	2.50
180	2.45	2.48	2.53
190	2.48	2.51	2.55
200	2.50	2.53	2.57
210	2.53	2.56	2.60
220	2.56	2.59	2.63
230	2.58	2.61	2.66
240	2.61	2.64	2.69
250	2.64	2.68	2.72
260	2.68	2.71	2.76
270	2.71	2.75	2.80
280	2.75	2.78	2.84
290	2.79	2.83	2.89
300	2.83	2.88	2.94
310	2.89	2.93	3.00
320	2.95	3.00	3.07