

# LTCC High Pass Filter

Typical Performance Data

# HFHKL-7300+

FREQUENCY (GHz)	INSERTION LOSS (dB)			RETURN LOSS (dB)		
	@-55°C	@+25°C	@+125°C	@-55°C	@+25°C	@+125°C
4.00	48.82	48.62	48.28	0.26	0.38	0.38
4.20	46.65	46.49	46.11	0.28	0.39	0.39
4.40	44.47	44.29	43.84	0.29	0.38	0.38
4.60	42.21	42.00	41.53	0.28	0.38	0.37
4.80	39.88	39.61	39.10	0.28	0.38	0.38
5.00	37.39	37.06	36.48	0.29	0.40	0.40
5.20	34.73	34.31	33.69	0.30	0.42	0.42
5.40	31.82	31.36	30.66	0.32	0.45	0.45
5.60	28.70	28.22	27.44	0.40	0.52	0.53
5.80	25.37	24.89	24.06	0.50	0.62	0.65
6.00	21.88	21.38	20.49	0.64	0.78	0.82
6.20	18.25	17.70	16.75	0.84	1.01	1.10
6.40	14.52	13.93	12.96	1.16	1.40	1.58
6.60	10.76	10.19	9.30	1.74	2.08	2.44
6.80	7.21	6.77	6.09	2.88	3.39	4.00
7.00	4.37	4.15	3.77	4.99	5.74	6.61
7.20	2.63	2.61	2.46	8.14	9.07	10.04
7.40	1.78	1.87	1.82	11.31	12.25	13.01
7.60	1.39	1.53	1.52	13.29	14.04	14.39
7.80	1.19	1.35	1.37	14.01	14.45	14.44
8.00	1.08	1.25	1.27	13.96	14.05	13.82
8.20	1.02	1.20	1.23	13.25	13.20	12.88
8.40	1.00	1.18	1.21	12.27	12.26	12.01
8.60	1.01	1.18	1.21	11.31	11.46	11.33
8.80	1.04	1.19	1.21	10.65	10.88	10.87
9.00	1.04	1.20	1.20	10.31	10.54	10.60
9.20	1.03	1.20	1.18	10.29	10.42	10.54
9.40	1.02	1.20	1.17	10.44	10.47	10.62
9.60	1.02	1.20	1.17	10.59	10.64	10.82
9.80	1.02	1.19	1.15	10.71	10.90	11.16
10.00	1.03	1.19	1.14	10.94	11.29	11.65
10.20	1.03	1.18	1.13	11.29	11.72	12.09
10.40	1.00	1.16	1.10	11.74	12.14	12.51
10.60	0.96	1.13	1.07	12.51	12.67	13.03
10.80	0.91	1.09	1.03	13.44	13.34	13.68
11.00	0.88	1.05	0.99	14.16	13.99	14.38
11.20	0.85	1.02	0.96	14.78	14.76	15.21
11.40	0.83	0.99	0.93	15.36	15.59	16.19
11.60	0.81	0.96	0.91	15.96	16.40	17.11
11.80	0.80	0.95	0.90	16.81	17.29	17.96
12.00	0.79	0.94	0.89	18.01	18.32	18.83
12.20	0.79	0.95	0.89	19.45	19.47	19.88
12.40	0.80	0.96	0.90	21.14	21.05	21.48
12.60	0.81	0.97	0.91	22.49	22.64	23.19
12.80	0.83	0.98	0.93	23.48	24.11	24.62
13.00	0.83	0.99	0.94	24.86	25.43	25.40
13.20	0.82	1.00	0.95	25.88	25.66	25.15
13.40	0.80	0.99	0.95	25.80	25.06	24.66
13.60	0.78	0.98	0.94	24.91	24.27	24.40
13.80	0.76	0.96	0.93	23.56	23.49	23.97
14.00	0.72	0.93	0.90	22.48	22.64	23.39
14.20	0.68	0.91	0.88	22.26	22.34	22.92
14.40	0.65	0.88	0.87	22.10	22.01	22.30
14.60	0.63	0.87	0.86	21.96	21.73	21.63
14.80	0.64	0.87	0.86	22.04	21.89	21.49
15.00	0.68	0.89	0.88	21.64	21.70	21.11
15.20	0.72	0.93	0.90	21.38	21.40	21.05
15.40	0.77	1.00	0.96	21.11	20.98	20.91
15.60	0.86	1.08	1.06	20.47	20.42	20.28
15.80	0.97	1.19	1.17	20.11	20.13	19.81
16.00	1.06	1.30	1.27	19.88	19.57	19.12
16.20	1.16	1.42	1.39	19.44	19.05	18.25
16.40	1.31	1.55	1.54	18.96	18.68	17.55
16.60	1.43	1.68	1.67	18.20	17.92	16.62
16.80	1.57	1.83	1.82	17.43	17.12	15.70
17.00	1.69	1.97	1.96	16.53	16.13	14.78
17.20	1.82	2.13	2.13	15.19	14.87	13.58
17.40	2.02	2.32	2.31	14.23	13.83	12.67
17.60	2.19	2.52	2.49	13.40	12.66	11.57
17.80	2.38	2.73	2.71	12.51	11.52	10.44
18.00	2.60	2.96	2.94	11.70	10.56	9.60
18.20	2.82	3.21	3.18	10.67	9.60	8.82
18.40	3.05	3.47	3.43	9.48	8.72	8.10
18.60	3.30	3.75	3.71	8.35	7.91	7.50
18.80	3.57	4.04	3.98	7.29	7.08	6.78
19.00	3.88	4.35	4.29	6.43	6.32	6.07