

Ceramic High Pass Filter

HFHK-2000+

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	87.21	81.89	72.83	0.10	0.14	0.18	0.11	0.15	0.20
20	88.45	88.73	95.49	0.11	0.15	0.20	0.12	0.16	0.21
30	105.69	85.32	97.14	0.12	0.16	0.21	0.13	0.17	0.22
40	96.25	88.23	100.80	0.12	0.17	0.22	0.14	0.18	0.24
50	88.79	90.17	89.84	0.13	0.18	0.23	0.15	0.19	0.25
60	88.52	97.23	84.98	0.14	0.19	0.24	0.15	0.20	0.26
70	93.92	96.81	90.26	0.15	0.20	0.25	0.16	0.21	0.27
100	90.20	87.13	87.27	0.17	0.22	0.27	0.19	0.24	0.30
150	86.60	84.57	85.02	0.21	0.26	0.32	0.23	0.28	0.34
300	82.57	81.81	81.77	0.29	0.35	0.43	0.31	0.38	0.46
400	81.43	83.43	82.61	0.32	0.39	0.48	0.35	0.42	0.51
550	96.10	97.42	92.63	0.35	0.43	0.53	0.38	0.46	0.56
700	74.22	72.63	72.98	0.37	0.46	0.56	0.39	0.48	0.58
800	65.62	65.70	65.00	0.37	0.47	0.57	0.39	0.48	0.58
900	59.13	58.73	58.25	0.38	0.47	0.58	0.39	0.48	0.58
1000	53.10	52.79	52.24	0.38	0.48	0.59	0.39	0.48	0.59
1200	41.79	41.35	40.70	0.39	0.51	0.62	0.40	0.50	0.62
1350	33.30	32.79	32.03	0.43	0.56	0.69	0.44	0.56	0.69
1500	24.48	23.90	23.00	0.54	0.70	0.88	0.56	0.72	0.89
1650	15.08	14.43	13.40	0.96	1.23	1.60	1.00	1.26	1.61
1750	8.64	8.05	7.15	2.11	2.67	3.58	2.13	2.66	3.52
1850	3.46	3.25	2.98	6.50	8.01	10.60	6.33	7.68	9.90
1900	2.06	2.08	2.09	11.77	14.35	19.03	11.06	13.01	15.91
2000	1.17	1.34	1.51	26.16	22.49	20.11	20.84	19.76	18.82
2100	1.00	1.16	1.30	16.68	16.69	17.25	16.99	17.13	17.91
2200	0.86	1.00	1.11	17.28	17.97	19.57	18.40	19.29	21.57
2400	0.63	0.76	0.88	25.89	26.45	24.74	36.75	34.64	28.29
2500	0.58	0.71	0.83	24.21	23.13	21.20	25.83	24.21	21.93
2700	0.53	0.66	0.76	19.15	18.76	18.38	19.52	19.31	18.85
2900	0.48	0.60	0.68	18.60	18.70	19.23	19.18	19.53	19.97
3000	0.45	0.57	0.64	19.23	19.65	20.65	19.99	20.68	21.61
3300	0.36	0.47	0.54	25.31	27.43	31.23	26.65	29.07	33.01
3500	0.32	0.42	0.50	35.98	36.61	29.83	38.37	38.03	30.57
3700	0.29	0.40	0.48	28.10	25.79	23.23	29.60	27.50	24.48
4000	0.28	0.39	0.46	20.99	20.35	19.48	22.50	22.14	20.94
4500	0.27	0.38	0.44	18.39	18.69	18.66	19.32	19.69	19.51
4600	0.27	0.38	0.43	18.53	18.94	18.99	19.22	19.64	19.56
4800	0.26	0.36	0.42	19.25	19.88	20.07	19.36	19.86	19.97
5000	0.24	0.34	0.40	20.78	21.54	21.80	20.21	20.65	20.88
5200	0.22	0.32	0.38	23.15	24.01	24.24	21.76	22.10	22.39
5400	0.19	0.30	0.36	26.91	27.81	27.93	24.32	24.50	24.86
5600	0.17	0.28	0.34	33.12	34.04	33.72	28.36	28.43	28.86
5800	0.16	0.27	0.33	36.39	36.43	36.38	32.23	32.75	33.02
6000	0.15	0.27	0.33	30.10	30.50	30.95	28.86	30.05	30.13
6400	0.16	0.29	0.35	24.53	24.87	24.85	22.92	23.44	23.35
6800	0.18	0.31	0.38	23.08	23.20	22.59	21.37	21.50	21.09
7000	0.18	0.32	0.40	23.06	23.03	22.14	21.55	21.40	20.78
7500	0.20	0.36	0.44	23.68	22.86	21.32	23.36	22.01	21.07
8000	0.23	0.36	0.46	23.57	22.10	20.58	24.82	23.46	22.14
8100	0.23	0.37	0.45	23.21	21.82	20.49	24.93	23.54	22.12
8300	0.23	0.38	0.45	22.44	21.24	20.34	24.85	23.41	21.96
8400	0.23	0.39	0.45	22.08	20.96	20.24	24.58	23.18	21.81
8500	0.23	0.39	0.46	21.68	20.72	20.13	24.12	22.87	21.60
8600	0.24	0.40	0.46	21.27	20.50	19.99	23.53	22.49	21.36
8700	0.24	0.40	0.47	20.89	20.28	19.86	22.87	22.04	21.08
9000	0.26	0.42	0.50	19.88	19.78	19.71	21.00	20.78	20.44
9100	0.27	0.43	0.51	19.65	19.71	19.78	20.48	20.50	20.37
9200	0.28	0.44	0.52	19.52	19.74	19.98	20.05	20.33	20.41
9400	0.30	0.46	0.55	19.49	20.11	20.80	19.56	20.37	20.98
9500	0.31	0.47	0.56	19.70	20.57	21.59	19.58	20.70	21.67

Typical Performance Data

FREQ.	GROUP DELAY		
(MHz)	(nsec)		
	@-55°C	@+25°C	@+125°C
2100	1.01	0.99	0.96
2500	0.68	0.68	0.67
3000	0.53	0.52	0.52
3200	0.49	0.49	0.49
3300	0.48	0.48	0.48
3500	0.46	0.46	0.46
3800	0.43	0.43	0.43
4000	0.41	0.41	0.41
4200	0.40	0.40	0.40
4400	0.39	0.39	0.39
4600	0.38	0.38	0.38
4800	0.37	0.37	0.37
5000	0.37	0.37	0.37
5200	0.36	0.36	0.36
5400	0.36	0.36	0.36
5600	0.35	0.35	0.36
5800	0.35	0.35	0.35
6000	0.35	0.35	0.35
6200	0.34	0.34	0.35
6400	0.34	0.34	0.34
6600	0.34	0.34	0.34
6800	0.34	0.34	0.34
7000	0.34	0.34	0.34
7200	0.33	0.33	0.34
7400	0.33	0.33	0.34
7600	0.33	0.33	0.34
7800	0.33	0.33	0.34
8000	0.33	0.33	0.34
8100	0.33	0.33	0.34
8200	0.33	0.33	0.34
8300	0.33	0.33	0.34
8400	0.34	0.34	0.34
8500	0.34	0.34	0.34
8600	0.34	0.34	0.34
8700	0.34	0.34	0.34
9000	0.34	0.34	0.35
9100	0.34	0.34	0.35
9200	0.34	0.35	0.35
9400	0.35	0.35	0.36
9500	0.35	0.36	0.36