

Ceramic High Pass Filter

HFCN-3100D+

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
50	43.14	41.38	42.73	0.07	0.29	0.11	0.03	0.14	0.07
100	48.29	48.65	47.75	0.11	0.12	0.12	0.13	0.14	0.14
280	40.07	39.61	39.56	0.09	0.11	0.14	0.12	0.14	0.16
540	34.60	34.44	34.46	0.09	0.14	0.18	0.13	0.16	0.20
1000	31.65	31.68	31.69	0.11	0.19	0.26	0.16	0.21	0.26
1670	40.37	41.65	42.90	0.19	0.29	0.38	0.23	0.31	0.37
1810	56.94	56.75	54.86	0.21	0.31	0.40	0.25	0.33	0.40
2000	39.82	38.72	38.02	0.24	0.36	0.45	0.28	0.38	0.46
2240	33.34	33.42	33.51	0.30	0.44	0.55	0.36	0.48	0.57
2250	33.36	33.52	33.64	0.30	0.44	0.55	0.36	0.48	0.57
2280	33.31	33.68	34.18	0.31	0.45	0.57	0.37	0.49	0.59
2300	33.57	34.04	34.81	0.31	0.45	0.58	0.38	0.50	0.60
2450	38.00	39.73	39.29	0.37	0.54	0.69	0.45	0.59	0.72
2500	39.74	38.22	35.07	0.40	0.58	0.74	0.47	0.63	0.77
2630	28.09	25.36	23.10	0.48	0.70	0.92	0.56	0.76	0.96
2700	22.32	20.22	18.36	0.56	0.83	1.10	0.65	0.89	1.15
2920	9.58	8.40	7.36	1.56	2.24	3.04	1.68	2.33	3.11
3050	4.72	4.02	3.53	3.79	5.23	6.82	3.85	5.27	6.90
3100	3.41	2.93	2.65	5.34	7.24	9.25	5.36	7.24	9.33
3140	2.60	2.29	2.14	6.98	9.31	11.76	6.93	9.23	11.79
3150	2.43	2.16	2.03	7.45	9.90	12.49	7.38	9.79	12.49
3180	1.98	1.82	1.78	9.05	11.90	14.98	8.86	11.63	14.78
3200	1.75	1.66	1.65	10.26	13.41	16.85	9.96	12.98	16.41
3270	1.03	1.25	1.34	15.78	20.72	26.06	14.83	18.68	22.24
3300	1.03	1.14	1.27	19.23	25.85	28.93	17.39	21.03	23.02
3400	0.79	0.98	1.14	29.23	24.13	21.63	22.76	20.83	19.48
3500	0.71	0.91	1.08	19.66	18.32	17.75	18.89	17.41	16.74
4000	0.58	0.73	0.86	14.04	14.84	15.46	14.16	14.78	15.18
4500	0.49	0.67	0.85	16.67	16.36	16.14	16.92	16.71	16.73
5000	0.34	0.50	0.68	22.97	21.80	20.67	25.46	23.29	22.25
6000	0.13	0.33	0.52	27.19	27.15	27.11	35.79	29.16	26.89
6500	0.01	0.17	0.37	25.28	24.32	24.04	26.90	24.86	24.52
7000	0.00	0.18	0.38	20.41	20.90	21.21	20.87	21.64	22.01
7500	0.08	0.16	0.38	18.32	18.20	17.87	18.88	19.03	18.95
8000	0.15	0.11	0.38	16.65	15.96	14.97	17.10	16.34	15.15
8050	0.18	0.10	0.35	17.58	16.12	14.93	17.76	16.28	14.99
8100	0.20	0.08	0.36	18.24	16.31	15.08	18.34	16.35	15.00
8150	0.24	0.04	0.32	18.20	16.58	15.28	18.74	16.70	15.25
8200	0.23	0.04	0.29	17.85	16.85	15.67	18.71	17.21	15.71
9000	0.29	0.03	0.32	19.18	20.25	21.43	17.99	18.35	18.48
9500	0.32	0.09	1.08	17.39	20.02	21.91	16.13	18.62	20.78
9900	0.39	0.10	0.18	17.99	19.69	21.76	17.87	19.57	22.12
10000	0.37	0.09	0.18	17.09	19.23	21.31	17.42	19.66	22.64
11000	0.18	0.24	0.73	16.82	14.97	13.19	16.14	14.39	12.71

Notes

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