

Ceramic High Pass Filter

HFCN-103+

Typical Performance Data

FREQ. (MHz)	INSERTION LOSS			INPUT RETURN LOSS			OUTPUT RETURN LOSS		
	(dB)			(dB)			(dB)		
	@ -55°C	@+25°C	@+100°C	@ -55°C	@+25°C	@+100°C	@ -55°C	@+25°C	@+100°C
10.0	72.34	71.55	72.40	0.05	0.05	0.05	0.05	0.05	0.05
100.0	52.23	52.16	52.13	0.05	0.05	0.06	0.04	0.05	0.05
450.0	39.33	39.31	39.28	0.04	0.07	0.09	0.03	0.07	0.09
500.0	38.51	38.51	38.49	0.04	0.07	0.10	0.04	0.07	0.10
610.0	37.06	37.00	36.99	0.04	0.08	0.10	0.04	0.08	0.12
720.0	35.91	35.89	35.89	0.04	0.08	0.12	0.04	0.08	0.13
830.0	35.08	35.12	35.10	0.04	0.09	0.13	0.05	0.09	0.15
940.0	34.06	34.14	34.20	0.04	0.10	0.13	0.04	0.10	0.14
1000.0	33.84	33.92	33.97	0.05	0.11	0.14	0.05	0.11	0.15
1590.0	32.24	32.35	32.45	0.08	0.15	0.19	0.07	0.15	0.21
2160.0	32.43	32.57	32.65	0.08	0.16	0.21	0.06	0.16	0.21
2550.0	33.25	33.38	33.40	0.08	0.17	0.23	0.07	0.17	0.23
2930.0	33.67	33.95	34.14	0.09	0.19	0.26	0.12	0.19	0.31
3500.0	36.45	36.62	36.57	0.08	0.22	0.32	0.07	0.22	0.32
4080.0	37.80	37.98	38.08	0.11	0.28	0.44	0.09	0.28	0.43
4650.0	40.14	40.50	40.66	0.09	0.27	0.47	0.08	0.27	0.48
5030.0	41.37	41.75	42.06	0.06	0.27	0.51	0.07	0.27	0.53
5470.0	42.27	42.85	42.29	0.03	0.28	0.55	0.04	0.28	0.58
5530.0	42.61	43.02	43.30	0.04	0.28	0.56	0.06	0.28	0.60
5580.0	42.23	42.52	42.90	0.03	0.27	0.55	0.08	0.27	0.60
5640.0	41.84	41.96	42.32	0.04	0.27	0.54	0.08	0.27	0.61
5700.0	41.85	42.15	42.90	0.04	0.28	0.55	0.08	0.28	0.62
5720.0	42.19	42.77	42.70	0.06	0.30	0.58	0.08	0.30	0.63
5980.0	41.01	40.90	41.39	0.06	0.32	0.62	0.09	0.32	0.67
6250.0	38.22	38.21	37.76	0.06	0.34	0.62	0.12	0.34	0.72
6510.0	34.61	34.42	34.23	0.08	0.35	0.64	0.21	0.35	0.79
6780.0	30.30	30.01	30.12	0.10	0.41	0.69	0.25	0.40	0.84
7040.0	25.99	25.57	25.43	0.18	0.46	0.71	0.31	0.46	0.86
7310.0	21.45	21.20	21.21	0.24	0.55	0.80	0.34	0.55	0.93
7570.0	17.81	17.47	17.31	0.36	0.67	0.90	0.44	0.67	1.03
7840.0	14.12	13.81	13.54	0.55	0.88	1.11	0.66	0.88	1.30
8100.0	10.67	10.36	10.06	0.93	1.37	1.70	1.00	1.37	1.87
8370.0	7.17	6.97	6.75	1.80	2.36	2.87	1.84	2.36	3.08
8630.0	4.21	4.21	4.17	3.60	4.47	5.37	3.57	4.48	5.49
8900.0	2.03	2.26	2.44	7.96	9.44	11.10	7.89	9.44	11.36
9160.0	1.05	1.42	1.77	16.50	18.72	21.25	15.56	18.73	19.19
9430.0	0.78	1.19	1.59	21.55	19.62	18.16	20.14	19.57	17.88
9700.0	0.87	1.29	1.61	13.42	13.03	13.32	13.17	13.04	13.22
9720.0	0.93	1.32	1.63	12.85	12.51	12.68	12.69	12.50	12.88
9830.0	0.89	1.28	1.64	12.02	11.79	12.01	11.81	11.79	12.24
9940.0	0.83	1.24	1.58	12.33	12.45	12.96	12.00	12.45	13.00
10050.0	0.87	1.27	1.60	11.87	12.22	12.91	11.60	12.24	12.75
10160.0	0.95	1.30	1.64	10.66	10.92	11.55	10.51	10.89	11.50
10280.0	0.88	1.26	1.61	10.85	11.19	11.82	10.64	11.22	11.71
10390.0	0.77	1.13	1.47	11.73	12.49	13.55	11.41	12.50	13.17
10500.0	0.79	1.18	1.50	11.63	12.45	13.70	11.43	12.48	13.28
10610.0	0.76	1.15	1.52	11.03	11.71	12.83	10.83	11.69	12.44
10720.0	0.72	1.10	1.47	11.74	12.40	13.56	11.35	12.44	12.90
10840.0	0.65	1.03	1.41	13.02	14.38	16.01	12.67	14.34	15.02
10950.0	0.59	0.99	1.39	12.82	14.01	15.62	12.68	14.01	15.11
11060.0	0.61	1.00	1.42	12.38	13.23	14.49	12.17	13.23	14.10
11420.0	0.47	0.88	1.32	14.81	16.29	17.84	14.59	16.29	17.58
11790.0	0.40	0.82	1.27	17.46	19.54	20.88	17.21	19.55	20.46
12170.0	0.38	0.80	1.25	18.96	20.59	20.92	20.36	20.58	22.49
12550.0	0.35	0.80	1.27	20.55	22.47	23.63	22.91	22.48	24.10
14070.0	0.52	1.03	1.54	13.31	13.19	13.25	16.01	13.19	16.27
15200.0	0.35	0.89	1.43	16.96	17.06	16.31	20.47	17.05	23.68



P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 • Fax (718) 332-4661 For detailed performance specs & shopping online see Mini-Circuits web site
 The Design Engineers Search Engine Provides ACTUAL Data Instantly From MINI-CIRCUITS At: www.minicircuits.com



IF/RF MICROWAVE COMPONENTS

REV. OR
 HFCN-103+
 7/19/2012
 Page 1 of 1