

# Surface Mount High Pass Filter

# SCHF-25

## Typical Performance Data

FREQ. (MHz)	INSERTION LOSS (dB)			INPUT RETURN LOSS (dB)			OUTPUT RETURN LOSS (dB)		
	@ -40° C	@ +25° C	@ +85° C	@ -40° C	@ +25° C	@ +85° C	@ -40° C	@ +25° C	@ +85° C
1.0	92.54	101.57	88.19	0.01	0.00	0.01	0.01	0.00	0.00
6.0	84.72	86.23	83.27	0.00	0.00	0.00	0.01	0.01	0.00
7.9	76.97	76.97	75.21	0.01	0.01	0.01	0.00	0.02	0.01
9.3	70.24	70.69	70.78	0.01	0.02	0.02	0.01	0.02	0.02
10.0	67.17	67.17	66.97	0.01	0.02	0.02	0.00	0.01	0.01
11.0	62.10	62.40	61.89	0.02	0.03	0.03	0.02	0.02	0.03
12.0	57.31	57.25	57.21	0.02	0.02	0.03	0.04	0.04	0.05
13.0	52.72	52.67	52.57	0.02	0.04	0.04	0.04	0.04	0.05
15.1	43.25	43.16	42.97	0.03	0.04	0.05	0.06	0.08	0.08
16.2	38.36	38.29	38.13	0.05	0.06	0.08	0.06	0.07	0.08
18.3	29.43	29.38	29.08	0.08	0.09	0.11	0.10	0.11	0.14
19.0	26.48	26.34	26.16	0.10	0.11	0.14	0.12	0.14	0.17
20.4	20.56	20.46	20.25	0.18	0.20	0.23	0.21	0.23	0.26
21.8	14.69	14.58	14.33	0.37	0.40	0.45	0.39	0.44	0.49
22.5	11.79	11.70	11.45	0.59	0.63	0.70	0.63	0.68	0.75
25.0	3.13	3.12	3.04	3.93	4.05	4.29	4.00	4.13	4.37
30.0	0.28	0.31	0.34	32.37	31.86	31.25	31.94	31.08	30.44
35.0	0.24	0.25	0.29	22.78	22.70	22.38	22.59	22.54	22.18
40.0	0.24	0.25	0.28	17.57	17.84	17.93	17.58	17.85	17.92
45.0	0.23	0.23	0.26	17.24	17.58	17.84	17.24	17.63	17.85
50.0	0.19	0.21	0.24	18.73	19.18	19.57	18.72	19.18	19.51
55.0	0.15	0.17	0.18	21.48	21.97	22.41	21.42	21.93	22.39
60.0	0.12	0.14	0.16	25.61	26.17	26.76	25.46	25.94	26.52
65.0	0.14	0.16	0.17	32.72	33.18	34.15	31.81	32.15	32.67
68.8	0.13	0.16	0.16	49.35	48.61	52.27	38.21	38.04	37.46
69.0	0.13	0.16	0.17	53.05	51.29	55.36	38.36	38.17	37.51
70.0	0.13	0.15	0.16	52.08	54.90	50.12	38.26	38.33	37.30
75.0	0.13	0.15	0.16	32.40	33.51	33.45	31.31	32.17	31.83
80.0	0.14	0.16	0.17	27.53	28.51	28.74	27.09	28.04	28.08
85.0	0.14	0.15	0.17	24.89	25.85	26.18	24.66	25.60	25.81
90.0	0.16	0.17	0.18	23.13	24.12	24.51	23.01	23.97	24.24
90.6	0.16	0.17	0.18	23.00	23.97	24.38	22.83	23.77	24.06
95.0	0.16	0.17	0.19	21.93	22.92	23.37	21.81	22.79	23.18
100.0	0.17	0.18	0.19	21.03	22.00	22.50	20.89	21.90	22.34
150.0	0.20	0.22	0.23	18.06	18.59	18.96	18.00	18.52	18.84
200.0	0.19	0.25	0.28	17.81	17.30	17.02	17.77	17.26	16.96
250.0	0.20	0.28	0.34	17.54	16.30	15.45	17.50	16.30	15.41
300.0	0.23	0.31	0.39	16.74	15.37	14.24	16.74	15.36	14.19
350.0	0.25	0.35	0.45	15.58	14.53	13.29	15.62	14.54	13.29
400.0	0.30	0.41	0.52	14.40	13.69	12.53	14.47	13.73	12.54
450.0	0.33	0.44	0.54	13.46	12.97	11.98	13.48	12.97	11.96
500.0	0.37	0.50	0.59	12.70	12.27	11.43	12.72	12.32	11.44
550.0	0.42	0.54	0.65	12.02	11.65	10.94	12.05	11.68	10.93
600.0	0.47	0.58	0.71	11.44	11.12	10.49	11.47	11.12	10.47
650.0	0.57	0.70	0.83	10.96	10.68	10.11	10.97	10.67	10.07
700.0	0.56	0.70	0.84	10.64	10.38	9.86	10.59	10.31	9.74
750.0	0.88	1.04	1.22	11.70	11.36	10.96	10.32	9.96	9.44
800.0	1.13	1.26	1.40	8.93	8.74	8.48	9.18	8.94	8.56
850.0	0.85	1.02	1.18	8.88	8.56	8.28	8.88	8.57	8.24
900.0	0.87	1.04	1.22	8.67	8.33	8.10	8.68	8.35	8.08
950.0	0.91	1.10	1.27	8.44	8.10	7.90	8.46	8.11	7.87
1000.0	0.88	1.08	1.25	8.25	7.88	7.72	8.25	7.93	7.70
1050.0	1.11	1.33	1.51	8.08	7.69	7.55	8.07	7.71	7.52
1100.0	0.92	1.14	1.31	7.95	7.54	7.42	7.95	7.54	7.38

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