

Surface Mount Band Pass Filter

BPF-C75+

Typical Performance Data

FREQ. (MHz)	INSERTION LOSS (dB)			INPUT RETURN LOSS (dB)			OUTPUT RETURNLOSS (dB)		
	@ -40° C	@ +25° C	@ +85° C	@ -40° C	@ +25° C	@ +85° C	@ -40° C	@ +25° C	@ +85° C
0.5	78.24	78.14	77.80	0.00	0.00	0.00	0.00	0.01	0.01
10	54.52	54.55	54.50	0.00	0.01	0.00	0.03	0.05	0.06
20	59.90	59.67	60.01	0.01	0.02	0.02	0.15	0.18	0.21
30	57.98	57.99	58.19	0.04	0.05	0.05	0.30	0.33	0.35
40	61.89	61.61	61.54	0.11	0.12	0.14	0.39	0.44	0.49
42	63.96	63.85	64.56	0.14	0.15	0.17	0.41	0.47	0.53
46	40.96	40.54	40.21	0.22	0.24	0.27	0.49	0.57	0.64
50	23.73	23.52	23.40	0.39	0.42	0.47	0.71	0.79	0.86
52	16.69	16.52	16.47	0.62	0.68	0.74	0.99	1.07	1.15
53	13.35	13.21	13.17	0.87	0.94	1.02	1.26	1.35	1.44
54	10.18	10.05	10.03	1.32	1.42	1.52	1.73	1.85	1.95
55	7.27	7.16	7.15	2.14	2.29	2.44	2.58	2.75	2.89
56	4.82	4.74	4.74	3.61	3.85	4.09	4.07	4.33	4.56
57	3.01	2.96	2.99	6.07	6.46	6.85	6.55	6.98	7.37
58	1.89	1.89	1.94	9.84	10.48	11.12	10.31	11.01	11.74
60	1.06	1.12	1.20	24.51	26.91	29.14	23.88	26.79	31.27
66	0.81	0.87	0.94	22.28	22.84	23.79	25.14	26.47	28.48
70	0.80	0.87	0.95	21.10	20.61	20.20	22.50	22.01	21.40
75	0.89	0.97	1.07	17.95	17.41	16.81	18.12	17.51	16.75
80	0.96	1.04	1.14	22.48	22.29	22.09	22.23	21.88	21.28
85	1.19	1.29	1.41	26.01	25.30	24.35	24.73	23.93	22.64
90	1.82	1.98	2.17	26.75	27.16	27.32	23.53	22.26	20.76
93	3.82	4.18	4.53	8.85	8.56	8.42	8.33	7.93	7.64
95	7.94	8.46	8.94	3.92	3.87	3.89	3.36	3.28	3.24
97	13.78	14.33	14.83	2.25	2.30	2.37	1.65	1.68	1.71
100	23.19	23.70	24.16	1.56	1.62	1.70	0.92	0.97	1.02
102	29.52	30.01	30.44	1.39	1.45	1.52	0.75	0.80	0.85
105	39.29	39.79	40.17	1.24	1.30	1.37	0.61	0.67	0.72
108	49.76	50.24	50.67	1.14	1.19	1.25	0.54	0.59	0.64
110	57.02	57.61	57.85	1.08	1.13	1.19	0.51	0.56	0.60
120	61.36	61.28	61.46	0.84	0.90	0.95	0.43	0.47	0.51
130	61.97	62.29	62.17	0.70	0.75	0.79	0.39	0.43	0.46
140	77.56	78.04	77.65	0.63	0.66	0.71	0.37	0.41	0.43
150	63.35	63.17	63.47	0.60	0.62	0.66	0.35	0.39	0.41
160	58.41	58.40	58.39	0.59	0.61	0.64	0.34	0.38	0.40
170	56.29	56.39	56.26	0.60	0.61	0.64	0.32	0.37	0.40
180	55.45	55.45	55.46	0.61	0.62	0.65	0.31	0.36	0.40
190	55.17	55.19	55.31	0.63	0.64	0.67	0.31	0.36	0.39
200	55.38	55.45	55.47	0.65	0.66	0.69	0.30	0.36	0.39
300	62.80	62.93	62.55	0.69	0.77	0.83	0.25	0.33	0.37
400	69.91	70.24	69.39	0.74	0.83	0.91	0.24	0.33	0.38
500	68.51	68.52	67.78	0.79	0.90	0.99	0.25	0.35	0.41
600	73.46	74.48	75.38	0.85	0.99	1.08	0.26	0.38	0.45
700	92.55	85.35	89.07	0.93	1.08	1.19	0.28	0.42	0.49
800	74.07	74.10	73.34	1.00	1.18	1.30	0.30	0.46	0.54
900	66.00	66.07	66.46	1.07	1.26	1.41	0.33	0.50	0.58
1000	62.06	63.40	64.44	1.14	1.34	1.50	0.38	0.56	0.65
1100	73.60	77.55	75.87	1.17	1.38	1.55	0.41	0.61	0.70
1200	75.93	73.30	71.71	1.19	1.39	1.56	0.45	0.66	0.77
1300	87.59	69.05	72.41	1.16	1.37	1.54	0.49	0.71	0.83
1400	77.35	75.44	80.30	1.11	1.33	1.49	0.52	0.76	0.89
1500	73.60	70.80	68.96	1.06	1.27	1.42	0.55	0.81	0.96
1600	69.10	70.12	72.88	1.01	1.23	1.37	0.57	0.85	1.03
1700	61.63	64.44	64.13	0.98	1.18	1.31	0.60	0.89	1.09
1800	69.56	68.70	64.90	0.95	1.16	1.29	0.62	0.91	1.14

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Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
60.0	52.11	51.57	51.16
61.0	46.56	46.09	45.73
62.0	42.37	42.03	41.74
63.0	39.30	39.06	38.80
63.5	38.04	37.86	37.70
64.0	37.01	36.88	36.74
64.5	36.10	35.98	35.88
65.0	35.24	35.18	35.10
65.5	34.55	34.46	34.44
66.0	33.91	33.85	33.83
66.5	33.33	33.27	33.25
67.0	32.80	32.77	32.75
67.5	32.34	32.32	32.30
68.0	31.96	31.89	31.93
68.5	31.49	31.43	31.43
69.0	31.14	31.09	31.10
69.5	30.82	30.79	30.77
70.0	30.49	30.44	30.44
70.5	30.23	30.18	30.14
71.0	29.97	29.96	29.87
71.5	29.73	29.67	29.62
72.0	29.50	29.48	29.41
72.5	29.30	29.28	29.21
73.0	29.17	29.13	29.10
73.5	29.06	29.03	28.98
74.0	28.97	28.95	28.89
74.5	28.90	28.87	28.81
75.0	28.88	28.89	28.82
75.5	28.88	28.90	28.84
76.0	28.95	28.96	28.92
76.5	29.02	29.01	29.00
77.0	29.11	29.11	29.14
77.5	29.28	29.31	29.30
78.0	29.44	29.49	29.50
78.5	29.62	29.70	29.69
79.0	29.88	29.93	29.98
79.5	30.17	30.21	30.32
80.0	30.46	30.54	30.63
80.5	30.77	30.87	30.95
81.0	31.14	31.25	31.34
81.5	31.52	31.63	31.75
82.0	31.91	32.07	32.21
82.5	32.37	32.52	32.65
83.0	32.85	33.03	33.15
83.5	33.34	33.56	33.66
84.0	33.92	34.09	34.23
84.5	34.48	34.67	34.83
85.0	35.14	35.35	35.48
85.5	35.81	36.04	36.21
86.0	36.60	36.81	36.95
86.5	37.45	37.69	37.87
87.0	38.48	38.74	38.93
88.0	40.90	41.24	41.49
89.0	44.24	44.71	45.07
90.0	48.76	49.34	49.81

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