

Surface Mount Band Pass Filter

BPF-C73+

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
1	72.94	72.06	72.55	0.00	0.00	0.00	0.00	0.00	0.00
10	55.00	54.99	54.93	0.00	0.01	0.01	0.04	0.06	0.06
15	55.49	55.66	55.53	0.01	0.01	0.01	0.09	0.13	0.14
20	62.36	62.40	62.26	0.02	0.02	0.02	0.17	0.21	0.23
25	68.89	69.20	68.84	0.03	0.04	0.04	0.25	0.29	0.30
30	66.12	66.80	66.67	0.05	0.06	0.07	0.32	0.35	0.36
35	57.38	57.03	56.93	0.09	0.11	0.12	0.37	0.40	0.42
40	56.88	57.40	57.62	0.16	0.18	0.21	0.45	0.50	0.55
45	29.07	28.62	28.51	0.32	0.36	0.39	0.64	0.73	0.78
50	10.61	10.41	10.48	1.27	1.38	1.42	1.53	1.66	1.68
53	3.45	3.37	3.43	5.16	5.53	5.62	5.10	5.44	5.46
55	1.50	1.51	1.55	11.77	12.64	13.03	10.93	11.60	11.80
57	0.97	1.02	1.07	19.45	20.73	21.23	17.28	18.02	18.08
60	0.83	0.89	0.94	18.70	18.79	18.34	18.28	18.26	17.71
63	0.76	0.82	0.86	20.19	20.51	20.15	19.53	19.69	19.29
64	0.74	0.80	0.84	21.45	21.95	21.67	20.46	20.75	20.46
65	0.73	0.78	0.83	22.89	23.62	23.51	21.53	21.94	21.82
66	0.72	0.78	0.82	24.26	25.21	25.39	22.51	23.04	23.13
67	0.72	0.78	0.82	24.96	25.95	26.48	23.13	23.67	23.96
68	0.72	0.78	0.82	24.66	25.37	26.03	23.15	23.55	23.90
69	0.73	0.79	0.83	23.61	24.00	24.54	22.62	22.81	23.10
70	0.74	0.81	0.85	22.40	22.55	22.94	21.77	21.76	21.95
73	0.80	0.87	0.92	19.60	19.47	19.65	19.36	19.11	19.16
74	0.83	0.90	0.95	19.03	18.87	19.04	18.79	18.52	18.59
75	0.85	0.93	0.98	18.68	18.48	18.66	18.37	18.09	18.20
80	0.98	1.07	1.12	19.12	18.95	19.44	18.75	18.72	19.46
85	1.20	1.32	1.40	24.22	22.91	22.43	26.53	25.88	26.06
90	2.05	2.25	2.39	13.87	13.26	12.85	17.11	16.91	16.91
94	6.04	6.55	6.86	4.56	4.40	4.33	6.07	5.98	6.01
97	14.09	14.79	15.19	1.92	1.94	1.96	2.48	2.49	2.50
100	24.23	24.94	25.31	1.26	1.33	1.36	1.43	1.48	1.48
101	27.88	28.58	28.93	1.16	1.23	1.27	1.26	1.31	1.32
102	31.71	32.42	32.77	1.09	1.15	1.19	1.13	1.18	1.19
103	35.85	36.59	36.92	1.02	1.09	1.13	1.02	1.08	1.09
104	40.50	41.26	41.59	0.97	1.04	1.07	0.94	1.00	1.01
105	45.96	46.84	47.08	0.92	0.99	1.03	0.87	0.93	0.94
106	52.51	53.19	53.41	0.89	0.95	0.99	0.82	0.87	0.88
107	56.07	55.83	55.45	0.85	0.92	0.95	0.77	0.82	0.83
108	53.52	53.22	53.15	0.82	0.88	0.92	0.73	0.78	0.79
109	51.63	51.51	51.30	0.79	0.85	0.89	0.69	0.75	0.76
110	50.56	50.57	50.55	0.77	0.83	0.86	0.66	0.71	0.73
120	56.16	56.27	56.36	0.61	0.66	0.70	0.48	0.53	0.55
130	63.80	63.99	63.48	0.56	0.60	0.63	0.41	0.45	0.47
140	62.00	62.18	61.97	0.54	0.58	0.61	0.36	0.40	0.42
150	58.45	58.39	58.58	0.56	0.59	0.62	0.34	0.38	0.38
160	56.01	56.02	56.11	0.59	0.62	0.64	0.32	0.35	0.35
170	54.65	54.71	54.79	0.61	0.64	0.66	0.30	0.33	0.34
200	53.54	53.48	53.52	0.65	0.71	0.72	0.26	0.30	0.32
250	54.91	54.76	54.75	0.65	0.77	0.78	0.23	0.28	0.30
300	56.65	56.55	56.36	0.65	0.79	0.80	0.21	0.27	0.29
350	58.01	58.04	58.00	0.66	0.82	0.82	0.21	0.28	0.31
400	58.90	58.99	58.89	0.66	0.86	0.84	0.21	0.29	0.31
450	59.39	59.34	59.13	0.69	0.90	0.88	0.21	0.30	0.33
500	58.56	58.80	58.60	0.71	0.95	0.92	0.21	0.31	0.35
550	55.32	55.38	55.07	0.74	1.00	0.96	0.22	0.33	0.36

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Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
63.00	32.57	32.46	32.41
63.50	32.00	31.93	31.88
64.00	31.53	31.46	31.43
64.50	31.08	31.03	30.99
65.00	30.67	30.63	30.60
65.50	30.33	30.31	30.26
66.00	29.98	29.96	29.94
66.50	29.65	29.64	29.64
67.00	29.39	29.38	29.37
67.50	29.12	29.12	29.11
68.00	28.87	28.86	28.87
68.50	28.67	28.66	28.68
69.00	28.46	28.45	28.47
69.50	28.29	28.28	28.29
70.00	28.12	28.13	28.13
70.50	27.98	27.99	28.00
71.00	27.87	27.86	27.88
71.50	27.77	27.78	27.79
72.00	27.66	27.70	27.69
72.50	27.61	27.64	27.62
73.00	27.56	27.60	27.61
73.50	27.56	27.57	27.58
74.00	27.53	27.55	27.57
74.50	27.55	27.60	27.59
75.00	27.60	27.64	27.64
75.50	27.68	27.70	27.72
76.00	27.75	27.79	27.82
76.50	27.86	27.90	27.92
77.00	27.99	28.05	28.08
77.50	28.17	28.24	28.25
78.00	28.34	28.42	28.46
78.50	28.56	28.65	28.70
79.00	28.79	28.86	28.93
79.50	29.01	29.10	29.18
80.00	29.25	29.33	29.43
80.25	29.44	29.57	29.67
80.50	29.69	29.79	29.91
80.75	29.91	30.03	30.15
81.00	30.10	30.23	30.36
81.25	30.29	30.48	30.56
81.50	30.52	30.70	30.82
81.75	30.72	30.94	31.03
82.00	31.01	31.17	31.30
82.25	31.21	31.42	31.53
82.50	31.46	31.69	31.78
82.75	31.75	31.99	32.06
83.00	32.07	32.27	32.41
83.25	32.27	32.51	32.64
83.50	32.64	32.86	32.99
83.75	32.95	33.22	33.29
84.00	33.27	33.53	33.67
84.25	33.65	33.89	34.03
84.50	33.97	34.21	34.37
84.75	34.33	34.59	34.72
85.00	34.77	35.05	35.16

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