

# Surface Mount Band Pass Filter

# BPF-A75+

## 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	89.86	88.54	89.34	0.00	0.01	0.01	0.00	0.00	0.01
1	91.48	101.41	96.10	0.00	0.00	0.00	0.01	0.01	0.01
10	97.13	103.07	93.14	0.00	0.00	0.01	0.00	0.00	0.00
20	82.65	81.29	99.42	0.00	0.00	0.01	0.00	0.01	0.01
30	94.16	81.30	88.05	0.01	0.02	0.03	0.00	0.01	0.02
40	92.49	87.00	100.62	0.03	0.04	0.05	0.02	0.03	0.06
50	85.54	85.12	88.10	0.08	0.09	0.11	0.05	0.09	0.12
60	67.51	65.25	65.10	0.32	0.39	0.45	0.30	0.40	0.45
62	54.90	53.84	53.27	0.50	0.60	0.69	0.49	0.61	0.69
65	32.50	31.67	30.93	1.30	1.59	1.86	1.42	1.75	2.00
67	13.87	13.52	13.25	4.75	5.89	6.92	6.62	8.34	9.83
68	7.46	7.86	8.16	12.35	14.33	15.99	27.89	31.47	23.77
70	4.41	4.96	5.37	17.71	17.66	17.75	14.59	14.68	14.65
72	3.56	4.06	4.45	23.28	22.92	22.68	22.57	21.44	20.68
73	3.40	3.87	4.25	18.11	18.15	18.32	17.85	17.71	17.63
75	3.18	3.66	4.03	19.08	19.80	20.63	19.56	20.09	20.14
76	3.13	3.60	3.99	24.47	24.81	25.87	26.65	25.69	24.43
78	3.29	3.81	4.24	18.73	19.33	19.74	20.89	22.07	22.63
80	3.93	4.63	5.23	20.02	21.39	22.57	19.48	18.54	17.37
82	7.58	8.81	9.83	8.26	7.83	7.39	6.23	6.00	5.83
84	16.68	17.80	18.67	2.41	2.53	2.58	1.93	2.08	2.21
85	21.29	22.23	23.00	1.60	1.73	1.81	1.32	1.47	1.59
88	32.54	33.16	33.63	0.72	0.81	0.88	0.62	0.74	0.82
90	38.35	38.84	39.19	0.52	0.59	0.65	0.44	0.54	0.60
95	49.08	49.28	49.51	0.28	0.33	0.36	0.23	0.30	0.35
100	56.71	56.48	57.15	0.19	0.22	0.25	0.15	0.20	0.24
101	57.90	58.27	58.25	0.17	0.20	0.24	0.14	0.19	0.23
110	66.87	66.50	66.48	0.12	0.14	0.17	0.09	0.14	0.17
120	72.32	72.97	74.22	0.09	0.11	0.13	0.07	0.12	0.13
130	77.21	79.04	88.36	0.08	0.10	0.12	0.05	0.09	0.11
135	79.64	81.12	83.23	0.07	0.10	0.12	0.05	0.09	0.12
140	83.91	84.78	82.14	0.06	0.09	0.12	0.05	0.09	0.11
145	83.93	85.71	81.32	0.07	0.10	0.11	0.05	0.09	0.12
150	87.69	94.86	83.26	0.06	0.10	0.10	0.05	0.10	0.12
175	98.25	86.71	92.89	0.08	0.10	0.12	0.05	0.10	0.13
200	88.40	84.13	83.97	0.09	0.11	0.12	0.05	0.11	0.13
225	81.45	83.32	80.41	0.10	0.13	0.14	0.07	0.13	0.14
250	79.30	80.46	81.36	0.12	0.14	0.15	0.08	0.14	0.16
275	79.18	77.11	78.51	0.12	0.15	0.17	0.09	0.15	0.18
300	76.72	81.61	78.69	0.14	0.17	0.17	0.11	0.17	0.18
325	76.41	76.82	75.87	0.14	0.17	0.19	0.11	0.19	0.20
350	73.71	75.51	73.21	0.15	0.19	0.19	0.13	0.19	0.20
375	72.56	71.92	73.23	0.16	0.20	0.21	0.13	0.21	0.22
400	73.39	73.11	72.01	0.16	0.19	0.21	0.14	0.20	0.22
425	71.22	73.13	71.93	0.16	0.20	0.21	0.14	0.21	0.23
450	72.13	72.23	72.13	0.17	0.21	0.22	0.15	0.21	0.24
475	70.66	70.57	70.76	0.17	0.21	0.23	0.15	0.23	0.24
500	70.63	70.55	71.55	0.17	0.21	0.23	0.14	0.22	0.23
525	71.28	71.20	68.77	0.18	0.21	0.23	0.15	0.23	0.24
550	69.50	72.55	72.33	0.21	0.25	0.28	0.17	0.24	0.26
575	71.75	70.75	71.71	0.19	0.23	0.25	0.16	0.27	0.28
600	70.39	70.44	69.73	0.19	0.23	0.26	0.15	0.25	0.28
650	69.30	69.81	69.36	0.20	0.24	0.28	0.15	0.25	0.27
700	71.59	69.37	71.14	0.21	0.27	0.30	0.16	0.25	0.29
750	70.66	68.95	69.42	0.21	0.26	0.31	0.17	0.28	0.33

REV. X1  
BPF-A75+  
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## Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
72.00	118.78	117.32	116.13
72.25	116.53	114.95	114.03
72.50	114.27	112.93	112.21
72.75	112.25	111.26	110.43
73.00	110.26	109.20	108.47
73.25	108.60	107.74	107.03
73.50	106.84	106.22	105.68
73.75	105.64	105.22	104.48
74.00	104.24	103.98	103.60
74.25	103.42	103.14	102.85
74.50	102.55	102.42	102.19
74.75	102.32	102.03	101.64
75.00	101.75	101.57	101.37
75.25	101.54	101.34	101.13
75.50	101.24	100.87	100.75
75.75	101.11	100.88	100.68
76.00	100.74	100.72	100.70
76.25	100.65	100.42	100.42
76.50	100.54	100.49	100.40
76.75	100.50	100.65	100.56
77.00	100.39	100.50	100.75
77.25	100.62	100.76	100.89
77.50	100.92	101.27	101.60
77.75	101.19	101.63	102.15
78.00	101.85	102.47	103.11

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