

Surface Mount Band Pass Filter

BPF-B48+

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	97.05	93.14	96.19	1.39	1.82	2.19	1.38	1.82	2.19
10.0	83.58	83.52	80.94	0.60	0.77	0.90	0.60	0.76	0.89
20.0	94.30	85.64	91.29	0.19	0.23	0.27	0.18	0.22	0.26
30.0	70.45	72.15	70.81	0.08	0.09	0.10	0.08	0.09	0.10
36.0	52.04	51.92	51.49	0.10	0.13	0.14	0.11	0.14	0.17
37.0	48.32	48.00	47.73	0.13	0.15	0.18	0.14	0.18	0.22
38.0	44.28	44.03	43.66	0.17	0.20	0.23	0.20	0.25	0.31
39.0	39.98	39.70	39.33	0.23	0.27	0.31	0.27	0.34	0.41
40.0	35.29	34.96	34.62	0.32	0.38	0.45	0.38	0.48	0.58
41.0	30.07	29.76	29.42	0.47	0.57	0.67	0.58	0.72	0.87
42.0	24.29	23.99	23.68	0.74	0.89	1.06	0.93	1.15	1.38
43.0	17.83	17.57	17.33	1.30	1.56	1.84	1.62	1.98	2.36
44.0	10.83	10.76	10.67	2.74	3.25	3.81	3.39	4.00	4.64
45.0	5.07	5.22	5.40	7.59	8.64	9.81	8.65	9.59	10.56
46.0	2.77	3.04	3.33	20.35	23.35	26.97	16.78	17.05	17.66
47.0	2.34	2.64	2.96	37.11	31.41	28.78	20.56	20.83	21.65
47.5	2.29	2.61	2.93	37.27	35.63	35.48	23.87	24.62	26.02
48.0	2.29	2.61	2.96	38.01	36.72	33.76	29.65	31.95	33.76
48.5	2.32	2.65	3.00	28.87	26.39	24.38	43.39	39.85	33.73
49.0	2.37	2.72	3.07	24.05	22.06	20.59	40.64	34.38	31.83
50.0	2.72	3.12	3.59	19.06	18.22	17.58	23.50	22.93	21.30
51.0	4.60	5.33	6.16	9.47	9.35	9.25	9.11	8.83	8.46
52.0	9.33	10.28	11.25	4.31	4.53	4.73	3.95	4.10	4.20
53.0	14.96	15.86	16.69	2.53	2.79	3.01	2.27	2.51	2.69
55.0	24.61	25.24	25.83	1.36	1.55	1.71	1.23	1.42	1.58
56.0	28.52	29.08	29.55	1.11	1.26	1.40	0.99	1.17	1.31
60.0	40.32	40.66	40.94	0.62	0.72	0.80	0.56	0.67	0.77
64.0	48.37	48.74	48.89	0.41	0.48	0.54	0.38	0.46	0.54
70.0	57.32	57.47	57.50	0.28	0.32	0.36	0.26	0.32	0.38
80.0	67.11	67.98	66.99	0.17	0.20	0.22	0.16	0.21	0.24
90.0	73.92	75.14	71.98	0.12	0.15	0.16	0.11	0.15	0.18
100.0	78.42	77.96	79.91	0.10	0.13	0.14	0.08	0.12	0.16
200.0	91.20	90.29	85.11	0.03	0.06	0.07	0.01	0.05	0.07
300.0	97.55	90.16	80.68	0.02	0.06	0.06	0.00	0.05	0.08
400.0	89.96	86.01	87.38	0.02	0.06	0.08	0.00	0.07	0.10
500.0	85.54	92.48	82.10	0.05	0.09	0.11	0.00	0.10	0.13
600.0	82.71	81.98	87.98	0.06	0.13	0.14	0.03	0.13	0.16
700.0	81.05	83.05	93.44	0.07	0.14	0.16	0.04	0.15	0.19
800.0	83.80	82.82	81.22	0.09	0.16	0.19	0.07	0.19	0.24
900.0	77.27	85.88	80.17	0.11	0.17	0.21	0.09	0.21	0.24
1000.0	85.71	81.43	78.07	0.12	0.19	0.22	0.09	0.22	0.25
1100.0	75.11	83.42	77.88	0.14	0.21	0.24	0.09	0.23	0.27
1200.0	83.59	78.04	80.40	0.15	0.22	0.25	0.08	0.23	0.28
1300.0	73.02	72.21	73.05	0.16	0.23	0.26	0.09	0.25	0.32
1400.0	74.78	72.53	72.40	0.16	0.24	0.27	0.08	0.26	0.33
1500.0	80.62	78.45	80.00	0.17	0.26	0.31	0.09	0.26	0.38
1600.0	78.47	67.18	71.07	0.19	0.28	0.31	0.22	0.33	0.42
1700.0	67.97	63.86	63.15	0.15	0.26	0.30	0.02	0.24	0.37
1800.0	62.68	61.90	66.38	0.15	0.24	0.32	0.04	0.24	0.37
1900.0	53.01	54.31	54.14	0.14	0.25	0.31	0.01	0.24	0.37
2000.0	61.08	58.80	61.46	0.11	0.26	0.33	0.03	0.26	0.40
2100.0	53.89	53.38	57.45	0.15	0.28	0.39	0.03	0.30	0.45
2200.0	57.27	52.56	54.18	0.22	0.46	0.59	0.20	0.62	0.79
2300.0	63.35	64.86	67.35	1.32	1.18	1.12	1.55	0.99	0.98
2400.0	51.39	52.65	52.05	0.30	0.37	0.49	0.13	0.37	0.50

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Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
47.0	136.78	136.37	135.59
47.1	135.26	134.64	134.01
47.2	134.13	133.38	132.91
47.3	132.67	132.15	131.45
47.4	131.58	130.68	130.27
47.5	130.69	129.86	129.58
47.6	129.37	129.20	128.41
47.7	128.45	128.25	127.77
47.8	127.87	127.78	126.92
47.9	128.17	127.75	126.86
48.0	127.42	126.92	126.51
48.1	127.30	126.65	126.49
48.2	126.34	126.50	125.98
48.3	126.48	126.22	126.24
48.4	125.92	126.09	126.03
48.5	126.08	126.20	126.54
48.6	126.34	126.72	126.99
48.7	127.44	127.35	128.14
48.8	127.40	127.80	128.69
48.9	128.06	128.78	129.96
49.0	128.36	129.71	130.21

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