

Surface Mount Band Pass Filter

JCBP-43+

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	94.81	100.63	96.72	0.00	0.00	0.00	0.00	0.00	0.00
1.0	99.67	92.41	93.53	0.00	0.00	0.00	0.00	0.01	0.01
2.0	105.22	98.30	95.88	0.01	0.00	0.01	0.00	0.01	0.00
3.0	104.17	103.16	107.21	0.00	0.01	0.02	0.01	0.01	0.01
4.0	89.10	91.75	98.20	0.02	0.03	0.02	0.03	0.02	0.02
5.0	93.45	106.76	98.25	0.03	0.03	0.02	0.01	0.02	0.01
6.0	91.80	92.18	90.42	0.02	0.02	0.03	0.01	0.01	0.01
7.0	79.96	82.54	82.21	0.01	0.01	0.02	0.01	0.00	0.00
8.0	70.86	70.27	70.16	0.02	0.03	0.03	0.01	0.01	0.01
9.0	61.33	60.70	60.84	0.04	0.04	0.04	0.02	0.03	0.03
10.0	52.55	52.36	52.25	0.04	0.05	0.06	0.02	0.04	0.05
11.0	44.57	44.35	44.20	0.05	0.06	0.07	0.06	0.07	0.09
12.0	36.72	36.50	36.35	0.09	0.11	0.12	0.09	0.11	0.13
12.5	32.76	32.54	32.39	0.10	0.11	0.13	0.12	0.14	0.15
13.0	28.76	28.52	28.37	0.14	0.16	0.18	0.14	0.17	0.19
14.0	20.37	20.10	19.93	0.27	0.29	0.33	0.29	0.34	0.38
15.0	11.18	10.88	10.72	0.86	0.96	1.03	0.95	1.07	1.18
16.0	2.65	2.55	2.54	5.96	6.52	6.88	6.52	7.20	7.68
17.0	0.91	0.98	1.06	13.39	13.01	12.84	14.69	14.20	14.02
18.0	0.99	1.04	1.09	10.01	10.06	10.13	10.15	10.22	10.33
19.0	0.73	0.77	0.81	12.45	12.61	12.74	12.62	12.85	13.04
20.0	0.49	0.52	0.57	18.70	18.96	19.06	19.52	19.98	20.23
26.0	0.35	0.38	0.41	18.37	18.45	18.61	18.26	18.44	18.71
30.0	0.27	0.30	0.32	34.61	33.24	32.29	39.17	37.91	37.41
40.0	0.26	0.29	0.32	32.24	33.73	34.76	30.32	31.06	31.41
43.0	0.27	0.31	0.34	29.30	28.63	28.40	28.16	27.64	27.30
50.0	0.34	0.38	0.41	20.55	20.56	20.71	20.49	20.54	20.68
60.0	0.39	0.43	0.47	23.29	23.69	24.19	23.24	23.84	24.49
70.0	0.48	0.54	0.59	34.96	33.95	32.96	35.29	34.56	33.52
80.0	0.68	0.75	0.83	26.03	26.36	26.52	26.17	26.64	27.00
90.0	1.18	1.31	1.43	16.25	15.93	15.74	16.95	16.60	16.40
100.0	5.49	5.80	6.04	3.62	3.59	3.61	3.64	3.62	3.63
110.0	15.73	16.04	16.24	1.08	1.13	1.18	1.02	1.08	1.14
120.0	25.36	25.60	25.75	0.70	0.73	0.75	0.63	0.69	0.73
130.0	33.56	33.75	33.90	0.57	0.59	0.60	0.50	0.55	0.59
140.0	40.75	41.01	41.16	0.49	0.51	0.53	0.45	0.50	0.53
150.0	47.52	47.75	48.08	0.43	0.45	0.46	0.38	0.42	0.45
160.0	54.27	54.41	54.32	0.41	0.42	0.44	0.34	0.37	0.41
170.0	61.16	60.75	61.42	0.37	0.38	0.40	0.31	0.35	0.39
180.0	68.69	69.56	69.36	0.36	0.37	0.38	0.31	0.35	0.39
190.0	79.74	76.96	80.25	0.33	0.34	0.35	0.28	0.33	0.35
200.0	77.37	76.75	78.59	0.31	0.33	0.34	0.27	0.31	0.35
300.0	74.48	71.73	72.91	0.26	0.29	0.31	0.21	0.27	0.32
400.0	81.02	80.58	77.86	0.24	0.28	0.31	0.19	0.27	0.34
500.0	80.24	81.32	82.00	0.25	0.29	0.32	0.19	0.30	0.37
600.0	88.70	87.32	86.70	0.28	0.32	0.35	0.20	0.32	0.41
700.0	83.95	84.14	100.37	0.26	0.32	0.37	0.23	0.36	0.45
800.0	89.57	97.76	81.81	0.27	0.35	0.39	0.23	0.37	0.47
900.0	84.38	94.27	83.36	0.29	0.37	0.43	0.26	0.41	0.51
1000.0	79.77	85.63	79.20	0.32	0.40	0.45	0.28	0.44	0.54
1100.0	73.89	75.28	73.54	0.33	0.41	0.47	0.30	0.48	0.59
1200.0	72.75	73.43	73.13	0.36	0.44	0.50	0.34	0.52	0.64
1300.0	69.66	68.69	68.20	0.38	0.47	0.54	0.36	0.54	0.68
1400.0	68.47	65.23	65.74	0.40	0.48	0.55	0.38	0.58	0.72
1500.0	58.47	63.63	57.73	0.42	0.53	0.59	0.41	0.63	0.76

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Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
26	40.46	40.38	40.32
27	37.75	37.66	37.63
28	35.46	35.40	35.36
29	33.43	33.39	33.35
30	31.71	31.63	31.59
31	30.07	29.99	30.00
32	28.67	28.64	28.61
33	27.38	27.36	27.36
34	26.32	26.25	26.27
35	25.27	25.24	25.26
36	24.38	24.39	24.36
37	23.60	23.59	23.59
38	22.89	22.87	22.85
39	22.19	22.22	22.18
40	21.65	21.62	21.60
41	21.13	21.11	21.10
42	20.62	20.60	20.58
43	20.17	20.15	20.13
44	19.78	19.76	19.75
45	19.37	19.41	19.37
46	19.00	18.98	18.98
47	18.66	18.65	18.66
48	18.37	18.36	18.37
49	18.10	18.09	18.10
50	17.84	17.82	17.83
51	17.62	17.62	17.64
52	17.39	17.41	17.42
53	17.21	17.26	17.26
54	17.06	17.09	17.10
55	16.91	16.93	16.97
56	16.78	16.82	16.83
57	16.72	16.72	16.73
58	16.64	16.65	16.67
59	16.57	16.60	16.60
60	16.51	16.55	16.55

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