

Surface Mount Band Pass Filter

BPF-A76+

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	100.57	104.01	103.51	0.58	0.76	0.93	0.57	0.76	0.94
10.0	90.57	87.99	94.67	0.57	0.74	0.87	0.56	0.74	0.87
20.0	88.23	88.63	82.54	0.46	0.57	0.67	0.46	0.57	0.66
30.0	89.89	89.46	83.16	0.34	0.41	0.46	0.35	0.41	0.47
40.0	85.15	90.46	88.96	0.25	0.29	0.33	0.24	0.30	0.33
50.0	105.32	96.46	85.45	0.19	0.22	0.24	0.18	0.22	0.26
60.0	58.71	57.68	57.69	0.21	0.25	0.26	0.19	0.26	0.29
61.0	54.72	53.50	53.99	0.23	0.28	0.29	0.20	0.28	0.31
62.0	50.72	49.33	49.64	0.26	0.31	0.34	0.24	0.33	0.37
63.0	46.24	44.78	45.25	0.30	0.37	0.40	0.29	0.40	0.44
64.0	41.47	39.92	40.43	0.37	0.47	0.51	0.37	0.51	0.55
65.0	36.26	34.59	35.14	0.49	0.63	0.67	0.48	0.68	0.71
66.0	30.51	28.71	29.33	0.71	0.91	0.96	0.71	1.00	1.02
67.0	24.14	22.23	22.97	1.10	1.48	1.54	1.11	1.62	1.60
68.0	17.13	15.27	16.11	2.02	2.86	2.91	2.02	2.99	2.87
69.0	10.16	8.99	9.77	4.65	6.73	6.70	4.40	6.47	6.02
70.0	5.51	5.42	5.91	11.29	14.26	14.61	9.83	12.25	12.00
71.0	3.86	4.21	4.49	12.95	12.43	12.99	13.12	12.98	14.20
72.0	3.36	3.72	3.94	10.57	10.54	11.00	11.50	11.32	12.40
73.0	3.03	3.35	3.55	10.87	11.78	12.10	11.15	11.78	12.60
74.0	2.70	3.06	3.27	15.08	17.61	17.27	13.66	14.98	15.69
75.0	2.55	2.97	3.18	26.46	22.04	21.38	17.24	16.83	17.78
75.5	2.57	3.00	3.20	20.53	17.68	17.96	16.44	15.52	16.47
76.0	2.60	3.02	3.22	16.48	15.44	15.88	14.87	14.36	15.25
77.0	2.65	3.06	3.27	14.70	15.81	16.31	13.78	14.34	15.20
80.0	3.60	4.17	4.42	10.90	10.77	10.90	9.13	9.28	9.60
82.0	5.12	7.08	7.27	11.11	8.06	8.36	13.62	8.97	9.74
84.0	17.14	19.29	19.21	1.96	1.96	2.11	1.88	1.87	2.10
86.0	27.63	29.11	29.04	1.08	1.17	1.27	0.98	1.08	1.22
90.0	41.75	42.65	42.60	0.63	0.71	0.76	0.57	0.65	0.74
94.0	51.71	52.07	52.24	0.47	0.54	0.58	0.42	0.51	0.57
95.0	53.44	54.15	54.09	0.43	0.50	0.54	0.40	0.47	0.54
100.0	62.63	62.86	62.54	0.34	0.39	0.43	0.30	0.38	0.43
110.0	76.99	73.53	76.48	0.25	0.29	0.32	0.21	0.28	0.33
120.0	83.22	90.99	82.58	0.20	0.24	0.26	0.18	0.23	0.27
130.0	95.77	90.72	94.77	0.16	0.20	0.22	0.14	0.20	0.24
140.0	88.09	86.51	85.30	0.13	0.18	0.20	0.12	0.18	0.22
150.0	87.82	87.39	85.71	0.12	0.17	0.18	0.10	0.17	0.20
200.0	89.41	84.66	90.07	0.07	0.12	0.14	0.06	0.13	0.17
250.0	91.10	88.14	84.83	0.06	0.11	0.14	0.04	0.12	0.16
300.0	84.32	87.45	92.84	0.07	0.11	0.15	0.03	0.11	0.18
350.0	87.14	103.36	95.20	0.04	0.10	0.14	0.03	0.13	0.19
400.0	86.95	98.49	93.73	0.04	0.11	0.14	0.03	0.14	0.22
450.0	91.14	91.15	86.35	0.06	0.13	0.18	0.03	0.14	0.22
500.0	88.44	90.85	85.86	0.05	0.12	0.18	0.03	0.16	0.25
550.0	88.13	83.07	87.43	0.07	0.15	0.20	0.04	0.19	0.26
600.0	93.62	85.25	85.56	0.07	0.15	0.21	0.04	0.19	0.28
650.0	88.55	85.38	83.72	0.07	0.18	0.24	0.05	0.21	0.30
700.0	87.73	102.23	91.22	0.08	0.19	0.25	0.04	0.22	0.31
750.0	91.61	100.16	91.21	0.10	0.20	0.26	0.06	0.23	0.33
800.0	93.91	80.68	97.55	0.07	0.19	0.27	0.07	0.26	0.37
850.0	74.29	74.94	72.96	0.11	0.22	0.30	0.08	0.27	0.38
900.0	85.89	84.04	78.09	0.09	0.22	0.32	0.09	0.29	0.39
950.0	71.97	72.79	78.27	0.12	0.26	0.33	0.09	0.31	0.42
1000.0	87.47	83.42	85.83	0.11	0.23	0.32	0.08	0.30	0.41

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Surface Mount Band Pass Filter

BPF-A76+

Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
72.00	121.25	116.03	117.69
72.25	117.10	112.82	114.37
72.50	113.48	110.18	111.64
72.75	110.91	108.21	109.58
73.00	108.63	106.78	107.91
73.25	107.18	105.61	106.64
73.50	105.90	104.72	105.62
73.75	105.32	104.14	104.67
74.00	104.48	103.55	103.93
74.25	104.10	102.91	103.11
74.50	103.20	102.23	102.18
74.75	102.62	101.18	101.24
75.00	101.70	100.20	100.36
75.25	100.79	99.10	99.28
75.50	99.54	98.01	98.34
75.75	98.63	97.14	97.48
76.00	97.59	96.68	97.12
76.25	96.88	96.43	96.83
76.50	96.58	96.43	96.91
76.75	96.32	96.87	97.12
77.00	96.70	97.69	97.99
77.25	97.47	98.62	98.64
77.50	98.48	99.66	99.66
77.75	99.56	100.87	100.85
78.00	101.06	101.77	101.75
78.25	102.26	102.71	102.57
78.50	103.19	103.21	103.14
78.75	103.65	103.52	103.42
79.00	103.94	103.63	103.36
79.25	103.76	103.84	103.64
79.50	103.66	104.15	104.06
79.75	103.86	105.52	105.31
80.00	104.59	107.77	107.32

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