

Surface Mount Band Pass Filter

BPF-A113+

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	96.50	95.50	99.30	0.47	0.63	0.76	0.48	0.63	0.76
10	92.11	89.47	89.30	0.53	0.67	0.79	0.50	0.65	0.77
30	88.11	97.06	84.63	0.35	0.44	0.51	0.37	0.44	0.50
40	85.82	86.02	95.56	0.28	0.34	0.39	0.30	0.35	0.39
60	85.67	89.78	88.45	0.17	0.21	0.23	0.19	0.23	0.26
70	71.99	71.64	73.44	0.13	0.16	0.20	0.13	0.17	0.20
80	59.00	58.67	58.29	0.11	0.15	0.16	0.11	0.15	0.18
85	51.46	51.22	50.88	0.11	0.14	0.16	0.10	0.15	0.17
95	32.74	32.36	31.92	0.21	0.27	0.31	0.19	0.26	0.31
100	19.53	19.12	18.67	0.61	0.75	0.89	0.61	0.76	0.88
102	12.91	12.56	12.17	1.32	1.61	1.88	1.39	1.69	1.94
105	3.80	3.95	3.99	8.27	9.20	10.07	9.43	10.62	11.60
108	1.89	2.16	2.33	19.18	19.95	20.88	18.08	18.13	18.21
110	1.70	1.96	2.13	33.37	33.83	34.60	18.70	18.17	17.81
113	1.65	1.88	2.04	16.74	17.37	18.12	15.65	15.98	16.43
115	1.62	1.86	2.02	17.25	18.27	19.43	17.21	18.31	19.73
118	1.68	1.95	2.16	20.42	19.54	18.81	27.26	25.13	23.50
120	1.87	2.17	2.37	15.95	16.27	16.74	17.37	17.63	17.98
125	5.91	6.71	7.44	5.41	5.27	5.00	4.53	4.44	4.27
127	11.18	11.92	12.62	2.39	2.51	2.53	1.97	2.10	2.15
130	18.65	19.19	19.71	1.19	1.33	1.41	0.99	1.12	1.21
140	35.18	35.45	35.70	0.49	0.57	0.64	0.43	0.51	0.57
155	49.41	49.37	49.68	0.27	0.34	0.39	0.24	0.31	0.36
160	52.89	53.03	53.26	0.24	0.30	0.35	0.22	0.29	0.33
170	58.83	58.94	58.86	0.18	0.25	0.30	0.18	0.24	0.28
180	63.57	63.68	62.97	0.17	0.23	0.27	0.15	0.21	0.25
190	66.20	66.36	66.63	0.15	0.21	0.25	0.12	0.18	0.22
200	71.13	71.83	69.54	0.13	0.19	0.23	0.11	0.18	0.21
210	74.22	72.95	74.65	0.11	0.17	0.21	0.10	0.16	0.20
220	78.04	79.11	74.38	0.11	0.16	0.21	0.08	0.16	0.20
230	77.41	79.67	76.43	0.09	0.15	0.19	0.09	0.16	0.20
240	84.17	82.55	82.59	0.08	0.14	0.19	0.08	0.14	0.20
250	83.35	85.79	85.49	0.09	0.14	0.19	0.07	0.14	0.18
260	87.73	88.96	89.72	0.07	0.14	0.18	0.07	0.14	0.18
270	81.59	86.77	92.44	0.07	0.13	0.17	0.06	0.13	0.17
280	87.86	91.57	84.22	0.08	0.14	0.18	0.06	0.13	0.18
290	86.98	91.06	91.59	0.07	0.13	0.17	0.05	0.13	0.17
300	82.28	85.40	89.63	0.08	0.14	0.18	0.05	0.13	0.17
400	87.03	93.14	93.85	0.05	0.13	0.18	0.03	0.14	0.19
500	85.39	86.57	90.43	0.05	0.15	0.21	0.03	0.15	0.20
600	93.59	83.59	85.02	0.06	0.16	0.23	0.02	0.18	0.23
700	86.39	85.28	95.48	0.09	0.20	0.29	0.03	0.21	0.28
800	88.12	93.04	92.29	0.10	0.22	0.31	0.06	0.24	0.32
900	85.55	90.14	89.45	0.12	0.25	0.34	0.06	0.28	0.34
1000	95.52	91.02	86.09	0.12	0.25	0.36	0.06	0.30	0.37
1100	77.58	77.44	81.62	0.16	0.30	0.40	0.09	0.31	0.38
1200	86.47	98.96	85.90	0.14	0.30	0.40	0.11	0.35	0.41
1300	83.53	87.14	83.72	0.19	0.34	0.44	0.14	0.36	0.44
1400	79.14	76.82	78.86	0.20	0.36	0.48	0.15	0.38	0.45
1500	81.64	82.02	83.23	0.22	0.38	0.49	0.15	0.39	0.46
1600	77.52	77.27	81.29	0.19	0.36	0.48	0.16	0.40	0.48
1700	71.32	69.17	71.95	0.22	0.41	0.52	0.16	0.41	0.48
1800	78.61	73.18	73.79	0.24	0.42	0.55	0.18	0.43	0.51
1900	76.24	76.89	70.80	0.23	0.44	0.55	0.18	0.44	0.52
2000	66.98	65.98	66.68	0.23	0.41	0.55	0.17	0.45	0.54

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Surface Mount Band Pass Filter

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Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
108.00	61.87	61.07	60.08
108.25	60.40	59.64	58.71
108.50	59.00	58.21	57.53
108.75	57.99	57.34	56.60
109.00	57.03	56.39	55.74
109.25	56.14	55.51	54.84
109.50	55.30	54.55	54.19
109.75	54.59	54.01	53.58
110.00	53.81	53.06	52.67
110.25	53.07	52.47	52.00
110.50	52.72	52.10	51.72
110.75	51.92	51.61	50.99
111.00	51.41	50.98	50.57
111.25	50.93	50.56	50.03
111.50	50.48	49.96	49.73
111.75	49.69	49.36	49.17
112.00	49.27	48.95	48.74
112.25	48.97	48.70	48.38
112.50	48.38	48.22	48.22
112.75	48.12	48.21	48.00
113.00	47.83	47.70	47.66
113.25	47.59	47.48	47.62
113.50	47.36	47.35	47.54
113.75	47.27	47.29	47.31
114.00	46.81	46.96	46.99
114.25	47.05	47.17	47.20
114.50	46.96	47.12	47.16
114.75	47.06	47.06	47.17
115.00	46.98	47.11	47.26
115.25	47.36	47.25	47.52
115.50	47.12	47.31	47.37
115.75	47.46	47.43	47.46
116.00	47.37	47.56	47.48
116.25	47.77	47.62	47.62
116.50	47.80	47.79	47.76
116.75	48.13	47.86	48.10
117.00	48.13	48.08	48.15
117.25	48.35	48.18	48.31
117.50	48.35	48.43	48.41
117.75	48.50	48.64	48.53
118.00	48.57	48.80	48.63

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