

Surface Mount Band Pass Filter

BPF-A127+

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	102.66	90.99	94.19	0.32	0.41	0.51	0.31	0.42	0.50
1	91.70	92.75	97.54	0.31	0.42	0.51	0.32	0.42	0.52
5	97.71	94.80	94.75	0.35	0.45	0.53	0.35	0.45	0.54
10	92.26	92.18	94.01	0.37	0.48	0.56	0.36	0.46	0.56
20	81.96	81.20	91.61	0.38	0.46	0.51	0.38	0.46	0.52
30	90.47	91.73	87.37	0.34	0.40	0.45	0.33	0.39	0.44
40	91.34	92.68	87.66	0.29	0.34	0.37	0.29	0.34	0.37
50	94.45	94.48	92.09	0.25	0.29	0.31	0.24	0.27	0.31
60	90.80	86.02	94.15	0.20	0.24	0.27	0.20	0.24	0.28
70	85.34	111.02	84.71	0.18	0.21	0.24	0.15	0.20	0.23
80	81.38	79.48	78.27	0.17	0.20	0.23	0.13	0.18	0.22
90	64.11	63.49	63.79	0.18	0.23	0.26	0.15	0.21	0.26
95	55.08	54.40	53.94	0.21	0.28	0.30	0.19	0.26	0.31
100	44.53	43.92	43.51	0.29	0.39	0.43	0.29	0.37	0.44
105	32.03	31.32	30.90	0.53	0.72	0.78	0.54	0.68	0.79
110	15.98	15.32	14.87	1.70	2.25	2.55	1.76	2.20	2.56
113	5.99	6.01	5.98	7.34	8.90	10.22	7.65	9.28	10.77
115	3.24	3.63	3.84	21.50	22.99	25.43	26.36	35.04	36.17
118	2.41	2.80	3.03	25.40	24.73	24.13	20.98	19.18	19.14
120	2.26	2.61	2.84	17.36	17.81	17.68	16.62	16.62	16.57
123	2.09	2.41	2.63	16.18	17.75	17.67	16.82	18.43	18.48
127	1.96	2.31	2.54	20.20	20.16	19.88	26.54	22.67	22.56
130	2.03	2.38	2.61	15.85	16.44	16.63	16.72	17.05	17.19
137	2.38	2.86	3.20	20.88	24.93	22.96	22.70	24.92	23.10
140	3.61	4.47	5.07	12.12	11.34	10.50	11.24	10.57	9.89
142	6.22	7.47	8.20	5.97	5.58	5.44	5.59	5.31	5.17
145	12.54	13.90	14.54	2.44	2.49	2.58	2.31	2.39	2.49
150	22.78	23.86	24.29	1.10	1.24	1.32	1.07	1.20	1.30
155	30.82	31.66	31.93	0.73	0.84	0.91	0.70	0.82	0.90
180	54.51	54.91	54.77	0.29	0.37	0.41	0.27	0.36	0.41
200	64.81	65.65	65.13	0.20	0.27	0.32	0.17	0.27	0.32
300	98.61	84.04	86.79	0.10	0.19	0.21	0.07	0.16	0.22
400	90.70	97.75	90.51	0.08	0.21	0.22	0.05	0.17	0.22
500	97.97	89.81	105.18	0.07	0.24	0.25	0.04	0.18	0.25
600	86.64	91.62	97.19	0.08	0.27	0.28	0.04	0.20	0.27
700	93.57	83.43	89.30	0.09	0.34	0.31	0.07	0.25	0.33
800	85.03	85.24	90.25	0.10	0.37	0.34	0.07	0.26	0.35
900	84.11	85.11	81.22	0.11	0.41	0.38	0.08	0.28	0.36
1000	86.93	85.88	87.18	0.11	0.44	0.40	0.08	0.29	0.40
1050	94.93	80.54	99.03	0.13	0.46	0.42	0.06	0.31	0.41
1100	84.77	89.32	85.58	0.13	0.46	0.43	0.07	0.31	0.41
1200	83.36	84.49	86.56	0.14	0.47	0.45	0.07	0.32	0.44
1250	83.54	85.71	96.35	0.15	0.50	0.47	0.06	0.32	0.43
1300	81.82	79.73	74.77	0.17	0.52	0.49	0.08	0.33	0.46
1400	76.33	77.12	77.05	0.19	0.54	0.51	0.09	0.35	0.48
1450	81.34	77.27	91.62	0.19	0.56	0.50	0.08	0.33	0.45
1500	79.07	79.38	75.47	0.19	0.57	0.51	0.09	0.35	0.48
1600	70.02	71.92	81.83	0.20	0.57	0.52	0.09	0.36	0.50
1650	72.96	73.74	71.71	0.19	0.59	0.52	0.08	0.33	0.47
1700	72.59	71.07	72.03	0.20	0.60	0.53	0.07	0.37	0.52
1800	75.25	73.07	67.96	0.19	0.59	0.55	0.08	0.36	0.53
1900	67.19	67.61	67.84	0.20	0.61	0.56	0.09	0.39	0.56
2000	69.44	69.93	72.98	0.20	0.60	0.57	0.10	0.39	0.56
2100	60.70	61.09	60.53	0.20	0.61	0.57	0.10	0.37	0.56
2200	66.92	65.38	61.49	0.19	0.62	0.58	0.10	0.41	0.59

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BPF-A127+

Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
118.0	57.30	56.05	55.17
118.5	55.32	54.22	53.47
119.0	53.52	52.49	51.85
119.5	51.92	51.09	50.46
120.0	50.44	49.74	49.25
120.5	49.17	48.55	48.14
121.0	47.97	47.61	47.17
121.5	47.04	46.78	46.38
122.0	46.20	46.05	45.69
122.5	45.55	45.51	45.18
123.0	45.04	45.01	44.66
123.5	44.58	44.45	44.21
124.0	44.06	44.02	43.80
124.5	43.82	43.67	43.44
125.0	43.40	43.30	43.04
125.5	43.11	42.93	42.75
126.0	42.87	42.74	42.53
126.5	42.61	42.34	42.20
127.0	42.26	42.06	42.00
127.5	42.00	41.80	41.71
128.0	41.72	41.61	41.57
128.5	41.45	41.35	41.30
129.0	41.23	41.25	41.21
129.5	41.01	41.10	41.07
130.0	40.98	41.20	41.21
130.5	40.99	41.20	41.22
131.0	41.00	41.34	41.41
131.5	41.16	41.57	41.61
132.0	41.48	41.90	42.00
132.5	41.72	42.17	42.31
133.0	42.07	42.63	42.75
133.5	42.68	43.20	43.38
134.0	43.16	43.75	43.99
134.5	43.76	44.36	44.59
135.0	44.43	45.05	45.37
135.5	45.24	45.95	46.28
136.0	46.07	46.89	47.31
136.5	47.16	48.06	48.50
137.0	48.29	49.34	49.81

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