

Surface Mount Band Pass Filter

BPF-A135+

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
1	90.66	92.29	93.38	0.54	0.71	0.86	0.49	0.66	0.81
10	93.86	96.25	89.73	0.55	0.71	0.85	0.52	0.68	0.81
20	89.57	90.03	85.74	0.47	0.59	0.69	0.46	0.57	0.66
30	90.97	91.02	91.13	0.37	0.45	0.52	0.37	0.45	0.52
40	91.89	90.62	101.64	0.30	0.35	0.41	0.28	0.36	0.41
50	91.67	91.29	95.37	0.24	0.29	0.32	0.23	0.29	0.34
100	84.13	89.62	86.50	0.14	0.17	0.19	0.11	0.17	0.20
105	80.07	77.62	80.16	0.15	0.19	0.22	0.12	0.18	0.23
110	72.45	71.39	69.36	0.19	0.25	0.29	0.15	0.24	0.28
115	58.95	58.61	57.47	0.31	0.39	0.47	0.24	0.34	0.40
120	44.34	43.34	42.47	0.63	0.80	0.96	0.44	0.61	0.72
123	33.12	32.00	31.02	1.22	1.59	1.91	0.76	1.02	1.23
125	24.07	22.95	21.95	2.33	3.10	3.80	1.29	1.72	2.10
126	19.04	18.03	17.15	3.63	4.88	6.08	1.85	2.48	3.05
128	9.49	9.41	9.29	13.03	18.21	24.72	5.33	6.69	7.83
130	5.34	5.91	6.29	17.04	18.08	18.95	13.26	14.49	15.47
132	4.25	4.90	5.35	23.43	24.50	24.68	21.35	21.23	21.55
133	4.04	4.69	5.14	21.78	22.58	22.83	20.62	21.67	22.44
135	3.87	4.52	5.02	23.86	25.52	26.96	21.61	23.36	24.18
136	3.86	4.55	5.06	31.44	34.70	39.50	22.91	24.61	25.71
138	4.07	4.85	5.44	23.70	21.57	19.55	29.64	29.82	26.73
140	4.67	5.63	6.42	15.10	14.29	13.52	20.17	20.81	22.28
142	6.58	8.23	9.67	9.49	8.36	7.46	20.96	16.92	13.96
144	13.10	15.19	16.89	3.53	3.44	3.32	5.62	5.44	5.19
145	17.35	19.25	20.84	2.42	2.49	2.51	3.67	3.77	3.75
148	28.63	29.99	31.11	1.24	1.37	1.46	1.67	1.88	2.00
150	34.70	35.80	36.76	0.94	1.06	1.13	1.20	1.39	1.51
155	46.52	47.30	47.94	0.58	0.68	0.74	0.68	0.83	0.94
160	55.42	55.95	56.19	0.43	0.51	0.56	0.46	0.59	0.68
165	62.15	62.76	63.18	0.33	0.41	0.45	0.35	0.45	0.54
170	67.77	68.76	67.84	0.27	0.33	0.38	0.28	0.39	0.45
175	72.29	73.22	73.64	0.23	0.29	0.34	0.24	0.34	0.39
180	77.02	77.79	77.81	0.21	0.27	0.31	0.21	0.29	0.34
185	83.21	79.40	79.76	0.19	0.24	0.28	0.18	0.27	0.32
190	84.16	88.06	84.50	0.17	0.22	0.25	0.15	0.25	0.29
195	82.59	84.92	93.76	0.15	0.21	0.25	0.14	0.23	0.27
200	91.04	82.78	85.46	0.15	0.20	0.24	0.12	0.21	0.26
250	86.40	105.50	95.60	0.09	0.14	0.18	0.06	0.16	0.22
300	88.29	83.97	91.28	0.08	0.13	0.17	0.05	0.16	0.21
350	95.09	94.43	89.14	0.07	0.14	0.17	0.05	0.17	0.23
400	101.32	88.42	94.93	0.07	0.14	0.18	0.04	0.18	0.24
450	96.57	93.23	86.36	0.06	0.14	0.18	0.05	0.19	0.26
500	97.74	93.48	89.80	0.06	0.16	0.20	0.05	0.21	0.28
550	89.15	86.54	99.54	0.06	0.16	0.21	0.06	0.24	0.30
600	91.62	90.18	86.15	0.08	0.18	0.23	0.06	0.26	0.33
650	87.96	96.89	83.31	0.08	0.19	0.25	0.07	0.28	0.34
700	91.42	89.13	89.21	0.09	0.20	0.27	0.09	0.30	0.37
750	87.64	92.12	91.02	0.10	0.21	0.29	0.10	0.31	0.39
800	87.21	89.52	88.04	0.11	0.23	0.31	0.12	0.34	0.42
850	90.71	96.33	89.59	0.11	0.24	0.32	0.13	0.37	0.44
900	97.81	92.82	83.70	0.10	0.27	0.33	0.12	0.37	0.46
950	88.13	102.29	109.90	0.12	0.27	0.35	0.13	0.41	0.49
1000	92.04	97.57	89.82	0.13	0.27	0.36	0.13	0.41	0.50
1500	72.96	71.85	70.93	0.20	0.36	0.45	0.11	0.50	0.66
2000	63.58	64.17	60.31	0.23	0.40	0.50	0.05	0.43	0.72

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Page 1 of 2



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Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
132.0	92.41	89.96	88.08
132.5	89.26	87.31	85.82
133.0	86.67	85.10	83.90
133.5	84.70	83.47	82.57
134.0	83.01	82.05	81.41
134.5	81.77	81.02	80.60
135.0	80.86	80.40	80.16
135.5	80.38	80.02	79.94
136.0	80.07	79.90	79.96
136.5	80.09	80.16	80.19
137.0	80.30	80.49	80.69
137.5	80.84	81.11	81.40
138.0	81.71	82.18	82.59
138.5	82.75	83.29	83.99
139.0	84.28	85.11	86.11
139.5	86.43	87.62	88.92
140.0	89.33	90.76	92.24

REV. X1
BPF-A135+
091126
Page 2 of 2



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