

Band Pass Filter

BPF-F184+

Typical Performance Data

FREQ. (MHz)	INSERTION LOSS			INPUT RETURN LOSS			OUTPUT RETURN LOSS		
	(dB)			(dB)			(dB)		
	@-40°C	@+25°C	@+85°C	@-40°C	@+25°C	@+85°C	@-40°C	@+25°C	@+85°C
0.30	88.82	87.12	86.58	0.01	0.01	0.01	0.31	0.39	0.44
1.00	77.23	77.68	77.44	0.00	0.00	0.01	0.31	0.39	0.45
15.00	54.97	54.93	54.97	0.02	0.02	0.03	0.51	0.60	0.66
60.00	43.09	43.19	43.23	0.06	0.07	0.08	0.80	0.91	0.97
122.00	69.46	67.28	66.13	0.19	0.21	0.24	0.61	0.70	0.75
135.00	52.17	51.47	50.88	0.33	0.38	0.42	0.68	0.80	0.86
139.00	30.87	30.13	29.68	0.46	0.54	0.59	0.89	1.05	1.14
141.00	23.29	22.71	22.34	0.60	0.71	0.78	1.14	1.34	1.47
142.00	19.91	19.38	19.03	0.72	0.85	0.93	1.34	1.59	1.73
144.00	13.63	13.21	12.92	1.19	1.42	1.56	2.11	2.49	2.72
147.00	5.92	5.81	5.71	3.80	4.39	4.77	5.91	6.78	7.36
149.00	3.10	3.20	3.23	8.48	9.45	10.09	13.14	14.76	15.88
151.00	2.00	2.18	2.27	15.56	17.22	18.32	28.57	37.44	38.84
153.00	1.62	1.81	1.90	22.97	26.01	27.78	22.45	22.84	22.94
154.32	1.49	1.68	1.77	26.78	28.47	28.15	21.98	22.56	23.00
158.00	1.30	1.48	1.58	25.16	23.11	21.84	33.56	35.71	39.96
166.00	1.23	1.38	1.46	16.33	16.54	16.56	16.93	17.12	17.17
171.00	1.17	1.31	1.39	17.29	17.87	18.19	16.20	16.51	16.70
173.00	1.14	1.28	1.36	18.71	19.45	19.89	16.84	17.20	17.45
176.00	1.10	1.25	1.33	22.52	23.58	24.16	18.80	19.26	19.64
182.00	1.08	1.24	1.33	32.27	27.71	25.72	27.94	29.77	31.76
184.00	1.10	1.26	1.35	25.20	23.35	22.28	29.73	31.65	33.49
186.00	1.12	1.29	1.38	21.66	20.61	19.95	26.47	27.01	27.36
187.00	1.13	1.30	1.39	20.45	19.61	19.08	24.70	24.98	25.18
196.00	1.24	1.41	1.51	17.00	16.77	16.78	18.04	17.90	18.04
201.00	1.26	1.44	1.54	19.08	18.78	18.96	18.58	18.20	18.33
207.00	1.31	1.51	1.62	24.48	22.95	22.74	22.83	21.77	21.72
211.00	1.42	1.63	1.75	21.21	20.34	19.94	25.69	24.92	24.55
214.00	1.53	1.76	1.89	18.75	18.39	18.20	24.73	25.35	25.21
214.32	1.49	1.49	1.49	18.68	18.68	18.68	24.42	24.42	24.42
216.00	1.62	1.85	1.99	18.34	18.21	18.19	24.57	25.88	26.10
220.00	1.82	2.10	2.26	22.86	22.62	22.95	36.82	41.32	35.59
223.00	2.22	2.58	2.81	17.25	15.99	15.21	19.16	18.32	17.54
224.00	2.50	2.91	3.17	13.44	12.56	11.94	15.37	14.91	14.38
226.00	3.49	4.01	4.36	7.99	7.54	7.19	10.06	10.03	9.81
228.00	5.23	5.86	6.29	4.62	4.42	4.25	6.75	6.95	6.93
229.00	6.37	7.04	7.50	3.51	3.39	3.29	5.64	5.92	5.96
233.00	12.10	12.82	13.32	1.32	1.35	1.36	3.40	3.79	3.96
237.00	18.48	19.20	19.69	0.68	0.73	0.76	2.68	3.05	3.24
238.00	20.11	20.82	21.32	0.60	0.65	0.68	2.58	2.94	3.13
240.00	23.41	24.13	24.64	0.49	0.54	0.57	2.43	2.77	2.96
242.00	26.82	27.56	28.08	0.42	0.46	0.50	2.32	2.64	2.83
274.00	45.24	45.65	45.90	0.17	0.20	0.23	1.72	1.94	2.07
350.00	59.83	60.44	60.79	0.12	0.15	0.18	5.76	7.30	8.36
375.00	74.07	75.05	76.50	0.12	0.15	0.17	7.07	7.02	6.84
470.00	53.46	53.20	52.98	0.16	0.20	0.24	0.93	1.07	1.14
495.00	72.51	73.15	73.60	0.13	0.16	0.19	0.82	0.94	1.01
625.00	64.32	64.36	64.30	0.14	0.17	0.20	0.52	0.61	0.66
725.00	102.06	96.54	95.70	0.14	0.18	0.20	0.41	0.50	0.54
775.00	77.57	78.09	77.54	0.13	0.17	0.19	0.36	0.45	0.50
1050.00	86.42	89.34	89.12	0.12	0.16	0.18	0.25	0.35	0.38
1200.00	93.38	99.13	93.79	0.11	0.16	0.18	0.23	0.33	0.36
1400.00	76.75	76.57	76.63	0.10	0.16	0.19	0.23	0.32	0.36
1500.00	79.87	80.11	79.78	0.09	0.17	0.19	0.23	0.32	0.36
1850.00	66.52	66.70	67.18	0.10	0.20	0.23	0.25	0.34	0.37
2100.00	59.17	57.07	55.70	0.12	0.24	0.28	0.26	0.36	0.38
2225.00	58.03	58.40	58.22	0.14	0.26	0.31	0.27	0.36	0.39
2350.00	60.01	59.66	58.70	0.18	0.31	0.35	0.26	0.36	0.40
2550.00	53.03	52.30	51.90	0.38	0.53	0.58	0.31	0.43	0.45
2800.00	53.75	53.53	52.29	0.39	0.54	0.59	0.29	0.42	0.45



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IF/RF MICROWAVE COMPONENTS

Band Pass Filter**BPF-F184+***Typical Performance Data*

FREQ. (MHz)	GROUP DELAY		
	(nsec)		
	@-40°C	@+25°C	@+85°C
154.32	31.32	30.64	30.22
155.00	29.48	28.90	28.54
156.00	27.28	26.81	26.51
157.00	25.49	25.09	24.85
158.00	24.01	23.67	23.46
159.00	22.75	22.46	22.28
160.00	21.67	21.41	21.25
161.00	20.71	20.49	20.35
162.00	19.87	19.68	19.56
163.00	19.11	18.96	18.86
164.00	18.44	18.31	18.23
165.00	17.85	17.74	17.68
166.00	17.33	17.25	17.19
167.00	16.87	16.81	16.77
168.00	16.47	16.42	16.39
169.00	16.12	16.09	16.07
170.00	15.81	15.79	15.78
171.00	15.55	15.54	15.54
172.00	15.33	15.32	15.33
173.00	15.12	15.12	15.13
174.00	14.95	14.94	14.95
175.00	14.79	14.79	14.80
176.00	14.66	14.65	14.65
177.00	14.53	14.52	14.53
178.00	14.41	14.40	14.41
179.00	14.30	14.29	14.29
180.00	14.20	14.19	14.19
181.00	14.10	14.09	14.09
182.00	14.01	14.00	14.00
183.00	13.92	13.91	13.91
184.00	13.84	13.82	13.82
186.00	13.69	13.68	13.68
187.00	13.63	13.62	13.62
188.00	13.57	13.57	13.58
189.00	13.53	13.53	13.54
190.00	13.51	13.51	13.52
191.00	13.48	13.49	13.51
193.00	13.49	13.52	13.54
194.00	13.53	13.55	13.58
195.00	13.57	13.61	13.65
196.00	13.64	13.68	13.72
197.00	13.72	13.77	13.82
198.00	13.83	13.88	13.94
199.00	13.95	14.01	14.07
200.00	14.10	14.16	14.22
201.00	14.25	14.32	14.39
202.00	14.43	14.50	14.57
203.00	14.62	14.69	14.78
204.00	14.83	14.91	14.98
205.00	15.05	15.13	15.21
206.00	15.28	15.37	15.45
207.00	15.52	15.61	15.70
208.00	15.78	15.87	15.95
209.00	16.05	16.15	16.25
210.00	16.34	16.44	16.54
211.00	16.65	16.77	16.87
212.00	17.00	17.13	17.24
213.00	17.38	17.53	17.66
214.00	17.83	17.99	18.13
214.32	17.97	17.97	17.97