

Surface Mount Band Pass Filter

BPF-B157+

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	85.74	86.68	85.47	0.29	0.42	0.47	0.29	0.39	0.47
1	89.80	88.57	88.52	0.30	0.39	0.47	0.29	0.40	0.48
3	87.48	80.21	82.06	0.32	0.41	0.49	0.31	0.42	0.50
5	88.08	81.63	81.53	0.34	0.43	0.50	0.33	0.44	0.51
10	80.62	77.06	75.94	0.37	0.45	0.53	0.36	0.47	0.55
20	74.31	74.27	84.27	0.40	0.47	0.53	0.37	0.44	0.51
30	79.58	79.33	77.45	0.36	0.41	0.49	0.34	0.40	0.45
40	77.65	78.28	76.11	0.30	0.36	0.40	0.31	0.35	0.38
50	75.36	78.37	81.42	0.27	0.30	0.33	0.26	0.31	0.34
60	80.00	79.46	78.49	0.22	0.24	0.28	0.21	0.25	0.27
70	84.51	76.30	77.73	0.19	0.22	0.24	0.18	0.21	0.24
80	98.95	86.02	84.39	0.16	0.18	0.19	0.15	0.20	0.22
90	80.20	78.05	81.24	0.15	0.17	0.18	0.11	0.15	0.19
100	69.14	68.45	69.39	0.12	0.15	0.16	0.11	0.15	0.18
110	57.70	57.45	57.31	0.13	0.15	0.18	0.11	0.16	0.19
115	52.33	52.14	51.92	0.14	0.17	0.19	0.13	0.18	0.22
120	46.64	46.30	45.94	0.18	0.20	0.24	0.16	0.22	0.26
125	40.12	39.80	39.48	0.23	0.28	0.64	0.23	0.29	0.35
130	32.82	32.49	32.13	0.34	0.42	1.62	0.36	0.46	0.52
131	31.22	30.90	30.53	0.38	0.46	1.89	0.40	0.50	0.59
135	24.30	23.97	23.56	0.61	0.74	2.65	0.64	0.80	0.95
140	14.33	14.04	13.66	1.57	1.89	21.32	1.63	1.97	2.32
145	4.99	5.12	5.18	7.00	7.99	36.11	6.93	7.89	8.90
150	2.27	2.59	2.85	21.83	22.03	20.21	21.36	21.79	22.25
151	2.15	2.47	2.73	22.06	21.87	19.58	22.90	23.03	23.18
155	1.95	2.27	2.53	23.51	23.99	18.35	25.54	25.90	26.45
157	1.93	2.26	2.53	29.93	32.47	18.71	28.78	28.26	27.70
160	2.00	2.34	2.64	28.41	26.55	20.35	24.25	22.90	21.97
163	2.14	2.51	2.86	24.80	24.67	18.63	23.75	23.91	24.57
165	2.38	2.84	3.27	26.11	23.69	14.66	34.79	29.52	25.18
170	6.38	7.29	8.19	4.94	4.85	1.39	5.04	4.95	4.79
180	22.21	22.84	23.50	0.95	1.05	0.62	0.95	1.07	1.17
187	30.28	30.76	31.25	0.61	0.70	0.60	0.60	0.70	0.77
190	33.11	33.57	34.05	0.53	0.59	0.59	0.53	0.62	0.69
200	41.02	41.37	41.66	0.36	0.42	0.43	0.35	0.43	0.49
210	47.11	47.37	47.68	0.29	0.33	0.07	0.26	0.34	0.39
215	49.76	50.04	50.55	0.25	0.30	0.07	0.23	0.30	0.35
300	75.25	78.15	74.63	0.09	0.12	0.06	0.07	0.14	0.18
400	85.72	86.11	78.68	0.07	0.11	0.09	0.04	0.11	0.15
500	89.22	88.83	84.19	0.06	0.11	0.13	0.04	0.12	0.17
600	78.27	94.00	80.78	0.07	0.13	0.14	0.07	0.15	0.20
700	80.58	84.09	86.65	0.11	0.15	0.15	0.04	0.15	0.21
800	80.92	78.95	80.00	0.14	0.19	0.17	0.09	0.19	0.25
900	79.17	86.22	77.20	0.13	0.19	0.19	0.10	0.20	0.28
1000	77.87	77.67	71.20	0.16	0.22	0.22	0.10	0.23	0.30
1100	71.49	79.00	73.17	0.18	0.23	0.22	0.12	0.26	0.33
1200	85.97	79.52	80.20	0.18	0.26	0.23	0.12	0.27	0.34
1300	81.76	74.79	83.64	0.20	0.26	0.26	0.13	0.28	0.36
1400	71.38	72.30	69.16	0.20	0.27	0.29	0.13	0.29	0.38
1500	70.67	68.70	73.19	0.20	0.27	0.32	0.13	0.29	0.38
1600	69.70	70.67	77.69	0.19	0.30	0.36	0.12	0.29	0.38
1700	62.91	62.18	59.87	0.18	0.28	0.35	0.12	0.30	0.40
1800	61.08	65.59	60.42	0.18	0.28	0.39	0.11	0.29	0.39
1900	80.33	59.29	70.58	0.16	0.26	0.40	0.09	0.29	0.39
2000	58.18	52.65	58.39	0.18	0.29	0.40	0.09	0.29	0.40

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Surface Mount Band Pass Filter

BPF-B157+

Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
150	42.72	42.08	41.50
151	40.56	40.21	39.76
152	39.02	38.71	38.35
153	37.97	37.58	37.42
154	36.98	36.89	36.68
155	36.38	36.27	36.20
156	35.75	35.65	35.76
157	35.57	35.55	35.51
158	35.48	35.49	35.48
159	35.47	35.54	35.61
160	35.62	35.75	35.91
161	36.12	36.29	36.73
162	36.79	37.21	37.77
163	38.13	38.61	39.30
164	39.94	40.61	41.37
165	42.27	42.88	43.49

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