

Surface Mount Band Pass Filter

SXBP-157+

Typical Performance Data

FREQ. (MHz)	INSERTION LOSS (dB)			INPUT RETURN LOSS (dB)			OUTPUT RETURN LOSS (dB)		
	@ -40° C	@ +25° C	@ +85° C	@ -40° C	@ +25° C	@ +85° C	@ -40° C	@ +25° C	@ +85° C
0.5	85.39	79.16	81.93	0.27	0.36	0.44	0.30	0.40	0.44
1	84.34	108.51	78.90	0.30	0.38	0.47	0.30	0.39	0.47
50	77.45	72.97	78.18	0.24	0.30	0.32	0.26	0.31	0.33
100	67.97	68.80	67.77	0.12	0.14	0.15	0.12	0.15	0.19
115	53.15	53.15	52.93	0.14	0.17	0.19	0.13	0.17	0.20
120	47.67	47.40	47.20	0.16	0.20	0.22	0.14	0.19	0.23
130	34.39	33.96	33.63	0.31	0.38	0.44	0.28	0.36	0.43
131	32.83	32.40	32.07	0.34	0.42	0.49	0.32	0.40	0.47
139	18.25	17.71	17.26	1.06	1.32	1.53	0.95	1.19	1.39
146	4.26	4.36	4.42	9.64	11.51	13.18	8.57	10.04	11.33
150	2.32	2.63	2.86	28.61	27.24	26.16	28.46	29.25	29.46
157	1.97	2.27	2.52	27.27	28.21	29.07	26.98	27.85	28.69
164	2.13	2.53	2.84	24.36	24.27	24.44	24.15	24.24	24.70
169	3.41	4.22	4.91	11.76	10.46	9.55	12.50	11.21	10.25
178	16.95	17.90	18.68	1.35	1.46	1.51	1.39	1.51	1.59
187	28.57	29.22	29.77	0.65	0.73	0.78	0.63	0.73	0.80
200	39.77	40.25	40.64	0.36	0.43	0.46	0.36	0.43	0.48
215	48.77	49.12	49.40	0.26	0.29	0.33	0.22	0.29	0.34
230	55.51	56.14	56.10	0.20	0.24	0.27	0.16	0.22	0.27
240	59.20	59.38	59.39	0.17	0.21	0.22	0.14	0.19	0.23
250	62.01	62.76	61.95	0.15	0.18	0.20	0.11	0.18	0.21
300	75.68	73.92	73.71	0.09	0.13	0.14	0.07	0.12	0.16
400	84.90	92.54	87.71	0.06	0.10	0.12	0.03	0.10	0.12
500	82.63	101.93	84.81	0.05	0.09	0.11	0.01	0.08	0.11
600	82.97	94.11	81.17	0.06	0.09	0.11	0.02	0.09	0.14
700	78.35	83.71	81.75	0.06	0.08	0.11	0.02	0.10	0.15
750	84.72	77.38	82.91	0.05	0.10	0.14	0.01	0.11	0.15
800	81.60	76.64	79.20	0.07	0.11	0.15	0.03	0.14	0.18
900	86.02	83.32	92.31	0.10	0.15	0.16	0.03	0.14	0.21
1000	86.35	82.69	84.77	0.10	0.15	0.18	0.04	0.14	0.21
1200	78.76	79.68	77.31	0.12	0.19	0.24	0.05	0.17	0.24
1400	78.10	77.05	75.81	0.15	0.22	0.27	0.07	0.21	0.29
1500	78.70	71.23	80.11	0.17	0.23	0.28	0.09	0.23	0.32
1600	69.27	71.97	76.23	0.18	0.24	0.29	0.10	0.25	0.34
1800	71.39	73.26	75.08	0.20	0.28	0.32	0.13	0.29	0.38
2000	65.35	63.42	62.68	0.24	0.31	0.35	0.13	0.31	0.40
2200	75.36	65.05	68.48	0.23	0.31	0.36	0.13	0.31	0.42
2400	47.96	52.28	49.94	0.27	0.35	0.40	0.16	0.34	0.47
2500	51.99	48.46	50.29	0.24	0.36	0.39	0.13	0.35	0.47
2600	49.92	45.01	50.32	0.25	0.37	0.40	0.13	0.34	0.46
2800	50.98	45.46	46.32	0.25	0.36	0.43	0.14	0.35	0.50
3000	43.49	44.24	41.80	0.29	0.38	0.46	0.12	0.39	0.53
3200	38.83	40.57	41.78	0.30	0.44	0.56	0.15	0.41	0.57
3400	36.19	38.87	35.17	0.37	0.70	0.81	0.15	0.46	0.61
3500	33.38	35.45	33.98	0.97	1.43	1.61	0.17	0.44	0.67
3600	35.66	34.89	36.42	0.95	0.81	0.96	0.33	0.54	0.77
3800	35.42	31.28	38.22	0.54	0.72	0.94	0.29	0.64	0.90
4000	27.24	27.02	28.15	0.69	0.90	1.04	0.27	0.75	0.87
4200	26.84	25.94	25.17	0.81	0.99	1.20	0.54	0.96	1.18
4400	23.68	27.03	25.47	1.09	1.43	1.54	0.93	1.21	1.71
4500	20.93	22.41	22.39	1.51	1.62	2.12	1.04	1.41	2.02
4600	20.72	18.83	19.11	1.97	2.34	3.02	1.31	1.87	2.26
4800	11.23	10.00	11.18	4.90	7.36	6.60	3.93	6.01	5.31
5000	9.65	11.82	13.14	6.05	9.44	8.54	4.91	7.28	6.87

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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
110	3.51	3.21	5.66
120	4.76	4.66	5.12
124	5.82	5.94	6.40
125	6.01	6.42	6.64
126	6.50	6.67	7.07
127	7.04	7.53	7.67
128	7.51	8.05	8.26
129	8.14	8.50	8.66
130	8.72	9.23	9.47
134	12.65	13.39	13.98
135	14.13	15.03	15.63
136	15.94	16.87	17.66
137	18.13	19.27	20.16
138	20.82	22.06	23.09
139	24.12	25.43	26.53
140	27.79	29.14	30.21
145	43.95	44.12	44.34
146	44.80	44.90	45.02
146	45.57	45.54	45.53
147	46.15	46.03	45.91
147	46.58	46.30	46.13
149	46.77	46.18	45.69
149	46.48	45.76	45.22
150	45.99	45.24	44.65
150	45.36	44.53	43.88
151	43.70	42.87	42.25
152	41.83	41.05	40.53
153	40.04	39.42	39.02
154	38.51	38.07	37.78
155	37.33	37.03	36.83
156	36.50	36.30	36.18
157	35.90	35.80	35.77
158	35.53	35.53	35.55
159	35.33	35.39	35.54
160	35.41	35.58	35.75
161	35.70	35.98	36.26
162	36.28	36.63	36.97
163	37.16	37.57	37.95
164	38.22	38.60	38.91
165	39.34	39.62	39.81
166	39.85	40.04	40.14
166	40.29	40.36	40.36
167	40.66	40.59	40.49
167	40.90	40.69	40.47
168	40.97	40.49	40.05
169	40.60	39.86	39.17
170	39.66	38.67	37.81
180	14.60	13.91	13.36
190	5.90	5.86	5.70
200	3.37	3.46	3.65
210	2.58	2.38	2.32
220	2.03	1.66	1.86
230	1.90	0.76	2.03
240	0.63	0.76	1.60

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