

Surface Mount Band Pass Filter

RBP-220+

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	103.73	99.51	95.11	0.02	0.02	0.03	0.01	0.01	0.01
50	55.72	55.60	55.54	0.08	0.09	0.11	0.01	0.01	0.02
100	42.09	42.13	42.17	0.17	0.18	0.22	0.04	0.07	0.08
150	28.47	27.82	27.17	0.44	0.51	0.57	0.81	1.02	1.17
160	13.71	13.47	13.14	1.06	1.22	1.35	3.72	4.54	5.33
170	6.05	6.37	6.57	2.89	2.93	2.96	9.42	9.27	8.90
180	4.91	5.10	5.21	3.30	3.45	3.58	4.28	4.51	4.68
190	3.31	3.49	3.59	5.38	5.66	5.91	5.96	6.32	6.60
200	2.01	2.21	2.34	9.66	10.20	10.66	10.78	11.43	11.97
210	1.52	1.72	1.86	14.68	15.78	16.72	15.79	17.19	18.33
212	1.48	1.68	1.83	15.66	16.95	18.00	16.39	17.85	19.06
217	1.43	1.64	1.80	18.67	20.49	22.21	17.67	19.15	20.46
220	1.40	1.62	1.78	21.42	24.14	26.75	18.56	19.96	21.21
228	1.43	1.68	1.86	31.16	28.56	25.79	19.91	20.20	20.39
250	2.27	2.67	3.02	20.60	23.11	23.71	12.31	12.28	11.93
260	5.11	5.82	6.46	6.30	6.17	5.92	4.75	4.71	4.54
276	16.05	16.78	17.45	1.21	1.29	1.34	0.99	1.15	1.21
290	25.65	26.22	26.81	0.59	0.64	0.69	0.51	0.66	0.72
300	32.22	32.79	33.36	0.43	0.48	0.53	0.37	0.52	0.58
310	39.29	39.85	40.43	0.33	0.38	0.42	0.30	0.44	0.50
320	47.75	48.63	49.32	0.28	0.32	0.36	0.24	0.37	0.43
350	52.85	52.75	52.66	0.21	0.23	0.26	0.17	0.30	0.34
400	53.63	53.74	53.90	0.16	0.19	0.22	0.10	0.23	0.27
500	69.08	69.34	69.16	0.14	0.18	0.19	0.07	0.22	0.25
600	56.10	56.92	56.81	0.14	0.18	0.21	0.06	0.23	0.27
700	53.91	54.50	54.56	0.15	0.20	0.23	0.05	0.26	0.31
800	53.75	54.37	54.50	0.14	0.20	0.23	0.06	0.28	0.33
900	54.58	55.08	55.52	0.16	0.21	0.24	0.05	0.29	0.33
1000	56.36	57.51	58.03	0.16	0.24	0.27	0.06	0.32	0.37
1100	60.13	61.39	62.28	0.16	0.26	0.30	0.06	0.34	0.40
1200	71.30	73.73	79.40	0.18	0.30	0.36	0.07	0.34	0.43
1300	65.06	64.54	64.37	0.26	0.43	0.51	0.09	0.37	0.45
1400	54.04	54.84	54.77	0.61	0.87	1.01	0.10	0.39	0.47
1500	47.24	49.27	50.48	4.17	4.98	5.68	0.12	0.40	0.50
1600	60.06	67.48	64.35	1.18	1.36	1.43	0.13	0.42	0.51
1700	56.80	53.75	52.67	0.40	0.57	0.63	0.15	0.42	0.53
1800	50.99	49.51	48.75	0.26	0.44	0.52	0.14	0.42	0.55
1900	47.06	46.33	45.86	0.22	0.42	0.50	0.13	0.44	0.58
2000	44.72	44.09	43.87	0.23	0.43	0.51	0.14	0.44	0.58
2100	41.87	41.85	41.78	0.22	0.45	0.53	0.12	0.45	0.61
2200	40.78	40.50	40.38	0.23	0.49	0.58	0.12	0.46	0.61
2300	39.33	39.00	38.81	0.26	0.51	0.63	0.13	0.46	0.63
2400	37.88	37.74	37.24	0.26	0.55	0.66	0.13	0.47	0.64
2500	36.59	36.45	35.76	0.30	0.60	0.75	0.10	0.47	0.64
2600	35.39	34.91	34.32	0.32	0.61	0.77	0.13	0.50	0.67
2700	34.46	33.75	33.31	0.32	0.65	0.81	0.10	0.51	0.67
2800	33.65	33.27	32.98	0.33	0.67	0.86	0.14	0.52	0.71
2900	33.19	33.07	32.84	0.35	0.69	0.92	0.12	0.54	0.72
3000	33.16	32.88	32.36	0.36	0.74	0.97	0.12	0.57	0.71
3100	32.37	32.09	31.38	0.39	0.75	1.00	0.12	0.58	0.73
3200	31.04	30.74	30.12	0.42	0.79	1.06	0.13	0.62	0.74
3300	29.83	29.85	29.72	0.45	0.83	1.11	0.13	0.64	0.77
3400	28.96	29.27	29.24	0.53	0.93	1.22	0.16	0.71	0.86
3500	27.46	27.23	27.35	0.64	1.04	1.30	0.26	0.75	0.88

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Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
212	10.04	10.06	10.05
213	9.97	9.91	9.92
214	9.89	9.89	9.90
215	9.88	9.92	9.92
216	9.82	9.83	9.85
217	9.76	9.73	9.76
218	9.80	9.85	9.83
219	9.78	9.80	9.80
220	9.75	9.75	9.76
221	9.79	9.80	9.81
222	9.87	9.87	9.87
223	9.81	9.81	9.85
224	9.86	9.88	9.88
225	9.89	9.90	9.93
226	9.91	9.95	9.95
227	9.96	10.01	10.02
228	10.04	10.03	10.07
229	10.07	10.06	10.10
230	10.13	10.13	10.14
231	10.14	10.17	10.19
232	10.19	10.18	10.21
233	10.28	10.29	10.31
234	10.34	10.37	10.40
235	10.44	10.44	10.50
236	10.56	10.55	10.61
237	10.67	10.69	10.73
238	10.73	10.79	10.84
239	10.89	10.93	11.02
240	11.00	11.10	11.19
241	11.16	11.26	11.38
242	11.40	11.50	11.61
243	11.63	11.71	11.88
244	11.88	11.98	12.13
245	12.16	12.27	12.46
246	12.49	12.64	12.76
247	12.78	12.93	13.12
248	13.13	13.31	13.46
250	13.89	14.04	14.18
255	15.64	15.51	15.42
260	15.48	15.02	14.55
265	12.84	12.23	11.64
270	9.62	9.11	8.71
275	7.09	6.78	6.43
280	5.34	5.17	4.76
285	4.29	4.01	4.02
290	3.39	3.36	3.18
295	2.86	2.73	2.64
300	2.25	2.32	2.00
305	1.74	1.59	1.50
310	1.15	1.00	0.74
311	0.81	0.90	0.70
312	0.95	0.86	0.54
313	0.92	0.45	0.14
314	0.39	0.46	0.08

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