

Surface Mount Band Pass Filter

BPF-C550+

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
0.3	101.84	101.01	90.96	0.05	0.05	0.05	0.05	0.05	0.05
0.9	102.03	103.82	99.28	0.09	0.09	0.09	0.09	0.09	0.09
1.0	95.13	104.03	100.80	0.09	0.09	0.09	0.09	0.09	0.09
10.0	89.27	89.60	94.58	0.08	0.08	0.08	0.09	0.09	0.09
11.0	89.69	89.07	90.71	0.08	0.08	0.08	0.09	0.09	0.09
17.0	78.54	79.38	78.50	0.08	0.08	0.08	0.09	0.09	0.09
30.0	65.90	65.82	65.67	0.08	0.09	0.09	0.11	0.12	0.12
42.0	62.38	62.45	62.46	0.10	0.11	0.12	0.16	0.18	0.19
50.0	68.30	68.47	68.19	0.13	0.14	0.15	0.22	0.25	0.27
53.0	80.96	82.08	81.51	0.14	0.16	0.17	0.24	0.28	0.30
57.0	66.83	66.17	66.06	0.16	0.18	0.20	0.28	0.33	0.36
64.0	56.83	56.71	56.65	0.21	0.25	0.27	0.38	0.44	0.49
70.0	59.55	59.76	59.95	0.30	0.34	0.38	0.51	0.59	0.66
72.0	68.98	69.18	69.63	0.34	0.39	0.43	0.57	0.65	0.72
76.0	52.76	52.54	52.46	0.46	0.53	0.59	0.70	0.81	0.90
77.0	50.76	50.67	50.72	0.51	0.59	0.65	0.74	0.86	0.95
80.0	53.70	54.18	54.65	0.70	0.81	0.90	0.90	1.04	1.15
81.0	52.96	50.70	48.74	0.80	0.93	1.03	0.97	1.11	1.23
85.0	23.03	22.55	22.04	1.56	1.83	2.04	1.39	1.60	1.78
96.0	1.34	1.50	1.61	17.38	17.96	18.73	20.89	22.33	23.94
98.0	1.09	1.24	1.34	26.71	27.20	28.05	32.22	31.81	30.69
100.0	0.97	1.11	1.21	24.15	23.78	23.34	22.62	22.02	21.50
105.0	0.86	0.97	1.06	17.06	16.95	16.82	17.65	17.42	17.23
116.0	0.64	0.72	0.79	18.51	18.56	18.59	21.57	21.80	21.79
126.0	0.51	0.58	0.64	21.65	22.09	22.65	24.45	25.79	27.13
155.0	0.38	0.44	0.50	23.13	21.83	21.07	22.91	21.48	20.74
270.0	0.26	0.31	0.35	27.78	31.98	33.94	25.64	28.21	29.29
315.0	0.27	0.31	0.35	22.83	25.26	26.74	22.62	25.15	27.17
490.0	0.32	0.41	0.47	17.56	17.11	17.22	17.17	16.58	16.54
550.0	0.33	0.42	0.48	18.15	18.06	18.10	17.24	17.00	16.86
690.0	0.30	0.41	0.48	27.39	26.41	25.03	27.57	26.97	25.73
755.0	0.35	0.47	0.55	21.34	20.98	20.51	23.59	23.21	22.69
865.0	0.51	0.66	0.76	16.10	15.68	15.53	16.06	15.62	15.45
978.0	0.58	0.75	0.89	27.23	26.31	24.64	26.84	27.32	26.38
1000.0	0.65	0.85	1.00	23.08	21.96	20.71	25.21	23.91	22.61
1032.0	0.94	1.18	1.36	14.86	14.57	14.34	14.95	14.58	14.37
1065.0	1.39	1.67	1.89	13.30	14.04	15.00	11.75	12.00	12.38
1074.0	1.54	1.86	2.13	14.85	16.52	18.79	11.69	11.97	12.27
1093.0	2.77	3.51	4.25	11.04	10.36	9.35	7.65	7.01	6.35
1095.0	3.10	3.92	4.73	9.73	9.07	8.18	6.86	6.24	5.63
1114.0	9.39	10.75	12.06	2.80	2.84	2.80	1.93	1.91	1.86
1135.0	20.26	21.67	23.06	1.27	1.46	1.57	0.76	0.89	0.96
1151.0	30.25	31.79	33.34	0.99	1.17	1.29	0.55	0.68	0.75
1153.0	31.70	33.27	34.86	0.96	1.14	1.26	0.53	0.66	0.74
1155.0	33.23	34.83	36.49	0.94	1.12	1.24	0.52	0.65	0.72
1160.0	37.51	39.23	41.14	0.90	1.07	1.20	0.49	0.61	0.69
1252.0	52.77	52.05	51.45	0.59	0.76	0.89	0.23	0.34	0.40
1308.0	43.80	44.04	44.23	0.53	0.71	0.85	0.17	0.28	0.34
1400.0	47.00	47.56	48.09	0.50	0.69	0.83	0.12	0.22	0.28
1404.0	47.39	47.95	48.50	0.51	0.69	0.83	0.12	0.22	0.27
1420.0	49.10	49.81	50.36	0.51	0.69	0.83	0.11	0.21	0.26
1450.0	53.83	54.92	55.96	0.51	0.69	0.83	0.10	0.21	0.26
1474.0	61.16	63.02	65.01	0.51	0.68	0.83	0.10	0.20	0.25
1490.0	73.29	73.68	70.68	0.51	0.68	0.83	0.09	0.20	0.25
1500.0	68.38	65.83	63.94	0.51	0.68	0.83	0.09	0.19	0.25
1650.0	45.87	45.94	46.03	0.51	0.69	0.82	0.07	0.18	0.23
1700.0	44.40	44.58	44.78	0.51	0.69	0.81	0.07	0.18	0.23
1820.0	42.72	42.96	43.13	0.51	0.68	0.81	0.08	0.19	0.24
1900.0	42.34	42.51	42.73	0.50	0.67	0.80	0.09	0.19	0.24
2000.0	42.10	42.26	42.44	0.50	0.69	0.83	0.09	0.19	0.24

Typical Performance Data

FREQ. (MHz)	GROUP DELAY		
	(nsec)		
	@-40°C	@+25°C	@+85°C
100	26.11	25.74	25.39
110	14.20	14.09	13.99
120	10.03	9.98	9.93
130	7.72	7.69	7.67
140	6.25	6.22	6.20
150	4.61	4.59	4.57
160	4.36	4.34	4.32
170	4.10	4.08	4.07
180	3.83	3.82	3.80
190	3.57	3.55	3.54
200	3.30	3.29	3.28
220	2.77	2.76	2.75
240	2.38	2.37	2.36
260	2.10	2.09	2.09
280	1.89	1.89	1.89
300	1.74	1.74	1.73
320	1.62	1.62	1.61
340	1.52	1.52	1.52
360	1.45	1.45	1.44
380	1.39	1.38	1.38
400	1.34	1.33	1.33
420	1.30	1.29	1.29
440	1.26	1.26	1.25
460	1.24	1.23	1.23
480	1.22	1.21	1.21
500	1.20	1.19	1.19
520	1.19	1.18	1.18
530	1.18	1.18	1.18
550	1.18	1.18	1.17
570	1.18	1.18	1.17
600	1.19	1.18	1.18
620	1.20	1.19	1.19
640	1.21	1.21	1.20
660	1.22	1.22	1.22
680	1.24	1.24	1.24
700	1.26	1.26	1.25
710	1.27	1.27	1.27
720	1.28	1.28	1.28
730	1.29	1.29	1.29
740	1.30	1.30	1.30
750	1.32	1.32	1.32
760	1.33	1.33	1.33
770	1.35	1.35	1.35
780	1.36	1.36	1.36
790	1.38	1.38	1.38
800	1.40	1.40	1.40
810	1.42	1.42	1.42
820	1.44	1.44	1.44
830	1.47	1.47	1.47
840	1.49	1.49	1.50
850	1.52	1.52	1.53
860	1.56	1.56	1.56
870	1.59	1.60	1.60
880	1.64	1.64	1.65
890	1.68	1.69	1.70
900	1.73	1.74	1.75
920	1.83	1.83	1.85
940	1.91	1.92	1.94
960	2.16	2.18	2.20
1000	2.68	2.71	2.74