

Band Pass Filter

BPF-C59+

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
1.0	74.74	75.23	74.94	0.05	0.05	0.05	0.05	0.05	0.05
22.0	40.59	40.46	40.25	0.18	0.20	0.23	0.62	0.69	0.75
23.2	30.03	29.93	29.78	0.24	0.26	0.29	0.68	0.76	0.82
24.0	24.12	24.03	23.90	0.30	0.33	0.36	0.75	0.82	0.90
24.2	22.72	22.63	22.50	0.32	0.35	0.39	0.77	0.85	0.92
24.4	21.34	21.25	21.13	0.35	0.38	0.42	0.80	0.87	0.95
25.6	13.47	13.38	13.28	0.70	0.75	0.82	1.13	1.22	1.32
26.4	8.66	8.59	8.52	1.41	1.49	1.60	1.83	1.94	2.08
27.2	4.66	4.63	4.61	3.23	3.37	3.57	3.64	3.81	4.02
28.8	1.08	1.13	1.20	14.16	14.51	14.97	14.79	15.25	15.80
29.8	0.74	0.79	0.86	25.03	24.33	24.02	35.26	35.36	36.56
30.0	0.71	0.77	0.84	24.71	23.87	23.41	33.00	31.67	31.08
31.8	0.61	0.66	0.72	20.24	20.09	19.99	21.43	21.31	21.26
35.0	0.48	0.52	0.58	27.14	27.78	28.00	27.93	28.35	28.57
37.0	0.46	0.50	0.55	25.44	25.61	25.55	26.39	26.44	26.43
41.0	0.45	0.50	0.54	21.16	20.96	20.79	21.73	21.40	21.21
49.0	0.42	0.47	0.52	26.82	25.83	25.16	25.23	24.05	23.30
53.0	0.43	0.48	0.53	32.46	30.38	29.15	28.85	27.07	25.91
57.0	0.44	0.50	0.54	25.87	25.59	25.40	26.50	25.94	25.44
59.0	0.46	0.51	0.56	23.48	23.36	23.31	24.63	24.43	24.24
62.0	0.49	0.54	0.59	21.17	21.08	21.08	22.52	22.49	22.49
68.0	0.54	0.60	0.66	19.23	19.03	18.95	20.57	20.46	20.44
71.0	0.57	0.64	0.69	19.15	18.83	18.68	20.47	20.23	20.12
80.0	0.68	0.76	0.83	21.21	20.38	19.87	22.19	21.43	20.92
87.0	0.85	0.94	1.03	22.43	21.80	21.29	23.88	23.36	22.95
88.0	0.89	0.98	1.07	22.22	21.71	21.25	23.90	23.53	23.21
89.0	0.93	1.03	1.12	21.73	21.35	20.94	23.57	23.36	23.14
93.0	1.26	1.37	1.48	16.36	16.28	16.04	17.11	17.10	16.97
98.0	2.74	2.91	3.11	7.75	7.74	7.66	7.66	7.64	7.54
100.0	4.10	4.31	4.56	5.31	5.34	5.32	5.15	5.16	5.11
103.0	7.17	7.45	7.77	3.01	3.09	3.14	2.83	2.87	2.89
106.0	11.15	11.47	11.82	1.89	1.99	2.07	1.71	1.78	1.82
111.0	18.66	19.03	19.43	1.18	1.30	1.39	1.02	1.10	1.15
112.0	20.23	20.62	21.02	1.12	1.23	1.32	0.95	1.03	1.08
115.0	25.14	25.56	26.00	0.97	1.08	1.17	0.82	0.89	0.94
118.0	30.43	30.89	31.38	0.88	0.99	1.07	0.73	0.80	0.85
128.0	56.52	56.43	56.17	0.72	0.82	0.89	0.56	0.63	0.67
138.0	49.64	49.89	50.11	0.64	0.73	0.80	0.47	0.53	0.57
154.0	67.25	67.70	67.90	0.58	0.66	0.71	0.37	0.43	0.46
200.0	49.17	49.17	49.18	0.47	0.55	0.59	0.23	0.28	0.30
330.0	58.00	57.99	57.91	0.36	0.44	0.49	0.09	0.13	0.15
630.0	65.56	65.85	65.48	0.39	0.51	0.58	0.02	0.06	0.09
690.0	51.30	50.92	50.54	0.44	0.57	0.65	0.02	0.07	0.11
730.0	82.41	80.72	78.31	0.44	0.57	0.66	0.01	0.06	0.10
770.0	66.74	66.67	66.68	0.46	0.61	0.69	0.01	0.07	0.10
830.0	56.01	55.96	55.82	0.50	0.65	0.74	0.01	0.07	0.11
870.0	38.87	38.90	39.09	0.60	0.77	0.87	0.12	0.20	0.23
960.0	60.64	61.26	61.78	0.58	0.76	0.87	0.02	0.08	0.12
1320.0	73.05	74.96	74.14	1.04	1.28	1.47	0.05	0.13	0.18
1630.0	66.87	66.38	66.11	2.86	2.89	2.94	0.08	0.16	0.21
1890.0	79.54	89.51	81.14	2.36	2.54	2.70	0.09	0.18	0.24
2055.0	69.43	68.68	66.24	2.09	2.40	2.64	0.10	0.19	0.24
2150.0	92.76	84.07	78.88	2.33	2.67	2.94	0.10	0.19	0.25
2250.0	78.23	76.91	72.43	2.88	3.27	3.59	0.09	0.19	0.25
2380.0	69.44	69.13	66.53	4.24	4.68	5.03	0.08	0.18	0.25
2885.0	55.89	57.06	56.71	6.28	5.80	5.49	0.04	0.18	0.28
3500.0	47.51	47.34	49.11	2.35	2.56	2.62	0.07	0.25	0.34
3975.0	50.10	51.74	58.93	2.63	2.78	2.98	0.19	0.36	0.52
4150.0	42.17	45.40	48.48	3.64	4.10	4.25	0.36	0.40	0.40
4500.0	44.95	42.06	38.80	5.32	5.44	5.75	0.26	0.45	0.75



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IF/RF MICROWAVE COMPONENTS

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Typical Performance Data

FREQ. (MHz)	GROUP DELAY		
	(nsec)		
	@-40°C	@+25°C	@+85°C
30.0	73.29	72.82	72.21
30.4	66.71	66.30	65.80
30.6	63.81	63.42	62.98
30.8	61.14	60.80	60.42
31.0	58.74	58.42	58.07
31.4	54.55	54.30	54.03
31.6	52.73	52.51	52.26
31.8	51.09	50.89	50.66
32.0	49.57	49.40	49.20
32.2	48.18	48.02	47.84
32.4	46.87	46.74	46.56
32.6	45.69	45.55	45.40
32.8	44.48	44.36	44.23
33.2	41.83	41.74	41.62
33.4	40.43	40.33	40.23
33.6	38.99	38.91	38.82
33.8	37.54	37.47	37.38
35.0	34.59	34.53	34.46
36.0	33.12	33.07	33.00
38.0	30.20	30.15	30.10
39.0	28.76	28.71	28.67
40.0	27.32	27.28	27.24
42.0	24.52	24.49	24.46
45.0	21.16	21.14	21.12
46.0	20.32	20.30	20.28
48.0	18.94	18.92	18.91
49.0	18.36	18.35	18.34
51.0	17.39	17.38	17.38
52.0	16.98	16.98	16.98
54.0	16.28	16.28	16.28
55.0	15.98	15.98	15.99
56.0	15.71	15.72	15.72
57.0	15.47	15.47	15.49
58.0	15.25	15.26	15.27
59.0	15.05	15.07	15.08
60.0	14.88	14.89	14.91
61.0	14.73	14.74	14.76
62.0	14.60	14.61	14.64
64.0	14.40	14.41	14.44
65.0	14.32	14.34	14.37
67.0	14.23	14.25	14.28
69.0	14.21	14.23	14.26
70.0	14.23	14.25	14.28
72.0	14.32	14.34	14.37
73.0	14.39	14.41	14.45
74.0	14.48	14.51	14.54
75.0	14.59	14.62	14.66
76.0	14.73	14.76	14.80
77.0	14.88	14.91	14.96
78.0	15.06	15.09	15.14
79.0	15.27	15.30	15.35
80.0	15.50	15.54	15.59
81.0	15.77	15.81	15.87
82.0	16.07	16.12	16.18
83.0	16.42	16.47	16.54
84.0	16.81	16.87	16.94
85.0	17.25	17.32	17.41
86.0	17.76	17.83	17.93
87.0	18.32	18.41	18.52
88.0	18.97	19.06	19.18



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