

# Band Stop Filter

# BSF-C4768+

## 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
0.5	0.02	0.02	0.03	45.25	44.75	44.65	45.56	45.00	44.81
10.0	0.06	0.07	0.08	21.94	21.76	21.64	21.95	21.78	21.68
15.0	0.11	0.12	0.13	19.51	19.38	19.30	19.51	19.39	19.32
20.0	0.13	0.14	0.15	19.29	19.22	19.20	19.31	19.24	19.22
25.0	0.13	0.14	0.16	23.65	23.81	23.95	23.68	23.87	24.01
26.0	0.13	0.15	0.17	26.23	26.55	26.81	26.25	26.63	26.90
27.0	0.14	0.16	0.18	30.76	31.52	32.15	30.88	31.73	32.40
28.0	0.16	0.17	0.20	44.62	51.60	70.39	45.32	53.79	66.95
29.0	0.18	0.20	0.22	33.83	32.43	31.52	33.77	32.23	31.30
30.0	0.20	0.23	0.26	26.43	25.70	25.23	26.35	25.57	25.07
31.0	0.25	0.28	0.31	22.49	22.00	21.67	22.41	21.86	21.51
32.0	0.31	0.34	0.38	20.21	19.82	19.61	20.06	19.63	19.38
35.0	0.53	0.59	0.67	20.25	20.05	20.00	18.36	17.99	17.62
40.0	15.63	16.10	16.63	0.74	0.78	0.83	0.64	0.67	0.70
41.0	21.79	22.29	22.85	0.52	0.56	0.61	0.44	0.48	0.52
45.0	53.40	53.92	54.71	0.31	0.34	0.38	0.29	0.31	0.34
46.0	58.55	58.83	58.57	0.30	0.33	0.36	0.27	0.29	0.32
47.0	56.51	56.06	55.73	0.27	0.30	0.33	0.26	0.28	0.31
48.0	52.67	52.42	52.22	0.26	0.29	0.32	0.24	0.27	0.29
50.0	48.87	48.75	48.65	0.25	0.27	0.30	0.23	0.25	0.28
51.0	48.43	48.51	48.43	0.24	0.27	0.30	0.23	0.25	0.27
52.0	48.94	48.98	48.94	0.23	0.25	0.29	0.23	0.24	0.26
53.0	50.40	50.44	50.33	0.23	0.25	0.28	0.23	0.25	0.27
54.0	53.17	53.50	53.40	0.23	0.25	0.28	0.24	0.26	0.28
55.0	58.17	55.63	54.06	0.22	0.25	0.28	0.35	0.40	0.45
56.0	48.06	48.62	49.46	0.24	0.26	0.28	0.31	0.30	0.30
57.0	56.08	56.91	57.19	0.22	0.24	0.27	0.22	0.24	0.26
58.0	66.45	66.97	66.68	0.22	0.24	0.28	0.22	0.24	0.26
60.0	63.24	64.49	64.18	0.22	0.25	0.29	0.22	0.24	0.27
61.0	62.84	63.55	64.06	0.23	0.26	0.29	0.22	0.25	0.27
62.0	64.31	64.80	67.91	0.23	0.26	0.29	0.23	0.26	0.28
63.0	72.48	74.03	80.75	0.24	0.26	0.30	0.24	0.26	0.28
64.0	69.05	65.42	64.88	0.25	0.28	0.32	0.25	0.27	0.30
65.0	60.54	59.37	58.54	0.26	0.29	0.33	0.26	0.28	0.31
66.0	55.72	55.13	55.52	0.27	0.30	0.35	0.27	0.29	0.32
67.0	53.97	53.98	54.20	0.29	0.32	0.37	0.28	0.31	0.33
68.0	54.52	54.50	55.03	0.30	0.34	0.38	0.30	0.33	0.36
70.0	55.57	53.61	52.30	0.35	0.39	0.45	0.34	0.37	0.40
75.0	24.31	23.92	23.48	0.59	0.67	0.77	0.54	0.59	0.65
80.0	8.94	8.77	8.58	2.01	2.21	2.44	1.79	1.93	2.11
85.0	1.85	1.91	1.96	10.28	10.58	11.03	9.31	9.51	9.81
90.0	0.78	0.84	0.90	21.39	21.71	21.97	20.07	20.26	20.47
95.0	0.57	0.61	0.66	23.45	23.73	23.93	25.94	26.29	26.79
100.0	0.47	0.50	0.54	25.60	25.90	25.97	32.72	33.86	34.94
110.0	0.39	0.41	0.44	21.76	22.56	22.87	22.52	23.52	23.98
120.0	0.37	0.39	0.40	18.56	19.36	19.78	18.66	19.47	19.93
150.0	0.33	0.34	0.35	16.48	17.12	17.61	16.44	17.07	17.57
200.0	0.27	0.30	0.31	17.99	17.88	18.15	17.92	17.81	18.07
300.0	0.22	0.28	0.31	23.00	20.64	19.70	22.92	20.57	19.63
400.0	0.23	0.27	0.32	25.76	23.17	21.26	25.64	23.10	21.19
500.0	0.24	0.30	0.34	27.00	25.21	23.15	27.04	25.34	23.25
600.0	0.26	0.32	0.37	27.86	26.44	24.74	28.64	27.32	25.49
650.0	0.26	0.33	0.38	27.64	26.52	25.03	29.19	28.17	26.48
700.0	0.27	0.35	0.39	27.57	26.56	25.25	29.84	29.10	27.55
800.0	0.29	0.37	0.42	26.39	25.49	24.79	30.30	30.03	29.37
900.0	0.33	0.42	0.48	24.36	24.03	23.70	28.30	29.44	30.13
1000.0	0.36	0.46	0.52	22.55	22.66	22.47	26.26	28.12	29.33
1100.0	0.40	0.51	0.59	21.40	21.57	21.39	25.27	27.05	28.14
1200.0	0.46	0.57	0.67	20.63	20.88	20.71	24.75	26.58	27.67
1600.0	1.01	1.23	1.42	22.36	20.86	19.37	34.75	30.20	27.31
2000.0	3.49	3.68	3.77	9.42	9.33	9.25	16.96	17.32	17.18



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# Band Stop Filter

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## Typical Performance Data

FREQ. (MHz)	GROUP DELAY-1 (nsec)			FREQ. (MHz)	GROUP DELAY-2 (nsec)		
	@-40°C	@+25°C	@+85°C		@-40°C	@+25°C	@+85°C
0.5	8.18	8.07	8.22	95.0	13.04	12.94	12.77
1.0	8.25	8.15	8.25	100.0	9.51	9.44	9.36
1.5	8.23	8.20	8.22	150.0	2.20	2.21	2.19
2.0	8.23	8.17	8.25	200.0	1.28	1.25	1.26
2.5	8.23	8.17	8.26	250.0	0.97	0.95	0.96
3.0	8.25	8.24	8.28	300.0	0.82	0.81	0.81
3.5	8.24	8.25	8.30	350.0	0.75	0.73	0.73
4.0	8.28	8.30	8.34	400.0	0.67	0.67	0.66
4.5	8.31	8.27	8.32	450.0	0.63	0.64	0.63
5.0	8.31	8.30	8.33	500.0	0.62	0.62	0.61
6.0	8.45	8.45	8.45	550.0	0.61	0.59	0.59
7.0	8.47	8.43	8.54	600.0	0.59	0.59	0.58
8.0	8.60	8.66	8.66	650.0	0.58	0.58	0.57
9.0	8.76	8.77	8.77	700.0	0.58	0.57	0.57
10.0	8.89	8.93	8.88	750.0	0.57	0.56	0.56
11.0	9.09	9.10	9.13	800.0	0.57	0.56	0.56
12.0	9.25	9.25	9.28	850.0	0.56	0.55	0.55
13.0	9.51	9.48	9.50	900.0	0.56	0.55	0.55
14.0	9.80	9.79	9.84	950.0	0.56	0.55	0.55
15.0	10.06	10.06	10.11	1000.0	0.56	0.55	0.55
16.0	10.40	10.42	10.46	1100.0	0.56	0.55	0.55
17.0	10.84	10.85	10.88	1200.0	0.56	0.55	0.55
18.0	11.28	11.27	11.29	1300.0	0.57	0.56	0.56
19.0	11.77	11.79	11.82	1400.0	0.57	0.56	0.56
20.0	12.33	12.36	12.42	1500.0	0.57	0.56	0.56
21.0	12.98	13.02	13.07	1600.0	0.58	0.57	0.57
22.0	13.72	13.78	13.84	1700.0	0.61	0.59	0.57
23.0	14.62	14.68	14.73	1750.0	0.60	0.58	0.56
24.0	15.58	15.62	15.73	1800.0	0.59	0.56	0.54
25.0	16.73	16.81	16.91	1825.0	0.58	0.54	0.52
26.0	18.01	18.08	18.22	1850.0	0.56	0.52	0.50
27.0	19.51	19.63	19.74	1875.0	0.54	0.50	0.49
28.0	21.29	21.38	21.54	1900.0	0.52	0.48	0.47
29.0	23.43	23.59	23.74	1925.0	0.49	0.46	0.46
30.0	25.91	26.11	26.30	1950.0	0.47	0.44	0.45
31.0	29.04	29.24	29.51	1975.0	0.45	0.44	0.45
32.0	33.19	33.47	33.85	2000.0	0.44	0.46	0.47