

Surface Mount Band Stop Filter

BSF-108+

Typical Performance Data

FREQ. (MHz)	INSERTION LOSS (dB)			INPUT RETURN LOSS (dB)			OUTPUT RETURNLOSS (dB)		
	@ -40° C	@ +25° C	@ +85° C	@ -40° C	@ +25° C	@ +85° C	@ -40° C	@ +25° C	@ +85° C
0.5	0.03	0.03	0.04	59.36	55.46	52.91	56.94	53.29	51.60
1	0.01	0.02	0.02	51.86	50.01	48.86	53.30	50.95	49.80
10	0.04	0.05	0.05	37.85	36.85	36.08	37.86	36.57	36.09
20	0.06	0.08	0.09	32.81	32.12	31.55	32.67	31.82	31.48
30	0.09	0.11	0.12	29.85	29.54	29.25	29.57	29.20	29.08
40	0.12	0.15	0.17	28.13	28.20	28.29	27.68	27.84	27.98
50	0.17	0.21	0.23	28.49	29.07	29.72	27.56	28.32	28.83
60	0.28	0.33	0.37	38.92	42.48	45.38	33.10	33.77	33.81
62	0.32	0.37	0.41	43.84	41.01	38.03	34.75	33.55	32.69
63	0.34	0.39	0.44	39.63	36.57	34.40	34.27	32.30	31.26
64	0.36	0.42	0.47	35.22	33.08	31.47	32.94	30.72	29.67
65	0.39	0.45	0.51	31.90	30.34	29.10	31.04	28.98	28.05
66	0.42	0.49	0.55	29.25	28.04	27.08	28.96	27.25	26.45
67	0.45	0.53	0.59	27.03	26.08	25.31	27.05	25.64	24.96
68	0.50	0.57	0.64	25.14	24.39	23.76	25.31	24.16	23.60
69	0.54	0.63	0.70	23.49	22.88	22.37	23.71	22.79	22.33
70	0.60	0.69	0.77	22.02	21.54	21.13	22.27	21.53	21.16
71	0.66	0.76	0.84	20.77	20.39	20.06	21.04	20.44	20.16
72	0.73	0.83	0.92	19.69	19.41	19.15	19.94	19.49	19.27
73	0.80	0.92	1.02	18.81	18.60	18.43	19.04	18.71	18.57
74	0.89	1.02	1.12	18.14	18.02	17.92	18.33	18.11	18.04
75	0.99	1.12	1.24	17.75	17.72	17.71	17.91	17.81	17.80
76	1.10	1.24	1.37	17.73	17.82	17.92	17.80	17.82	17.89
77	1.22	1.38	1.53	18.32	18.57	18.82	18.18	18.32	18.48
78	1.37	1.55	1.72	19.96	20.52	21.09	19.24	19.50	19.70
79	1.55	1.76	1.97	24.10	25.52	27.10	20.92	21.03	20.93
80	1.84	2.10	2.35	31.08	29.96	28.32	20.60	19.84	19.09
81	2.30	2.63	2.95	19.23	18.21	17.39	16.06	15.27	14.62
83	4.29	4.81	5.30	8.68	8.48	8.34	8.23	8.15	8.04
85	7.69	8.37	9.06	4.86	4.96	5.05	6.12	6.84	7.33
88	25.06	27.01	28.80	2.36	2.50	2.61	4.77	4.74	4.65
90	47.16	48.98	50.70	1.83	1.99	2.12	2.35	2.59	2.68
95	76.85	76.45	76.85	1.54	1.69	1.82	1.59	1.81	1.92
100	79.57	81.33	79.21	1.65	1.82	1.96	1.59	1.79	1.89
105	50.12	49.09	48.15	2.29	2.50	2.70	1.92	2.12	2.24
108	30.18	29.46	28.87	3.46	3.79	4.10	2.41	2.64	2.80
110	19.16	18.64	18.23	5.48	6.02	6.57	3.14	3.44	3.66
120	2.32	2.41	2.51	16.34	16.70	17.01	15.99	16.34	16.59
130	1.12	1.18	1.23	27.94	27.72	27.67	21.92	22.02	21.88
140	0.75	0.80	0.84	26.05	25.95	25.91	22.58	22.68	22.57
150	0.59	0.63	0.66	23.59	23.54	23.56	21.94	22.09	22.04
160	0.49	0.53	0.55	22.62	22.59	22.60	21.58	21.74	21.70
170	0.42	0.46	0.49	22.32	22.28	22.25	21.53	21.65	21.58
180	0.38	0.42	0.45	22.32	22.23	22.14	21.72	21.75	21.65
190	0.35	0.39	0.42	22.55	22.37	22.18	22.00	21.89	21.74
200	0.33	0.37	0.39	22.85	22.53	22.23	22.38	22.09	21.85
300	0.25	0.31	0.34	25.62	24.12	23.08	25.45	23.80	22.89
400	0.24	0.32	0.36	26.69	24.35	22.82	26.51	23.99	22.68
500	0.25	0.34	0.39	26.03	23.54	21.93	25.98	23.34	21.98
600	0.27	0.37	0.43	24.59	22.30	20.75	24.69	22.24	20.97
700	0.29	0.40	0.48	22.78	20.77	19.40	23.24	21.04	19.88
800	0.32	0.45	0.53	20.90	19.33	18.13	21.53	19.79	18.80
900	0.36	0.49	0.58	19.21	17.94	16.95	19.98	18.56	17.77
1000	0.39	0.54	0.64	17.81	16.74	15.93	18.65	17.51	16.85

REV. X1

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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
65.0	12.01	12.11	12.21	140	8.16	8.09	8.03
66.0	12.76	12.86	12.97	141	7.78	7.72	7.67
67.0	13.53	13.65	13.77	142	7.44	7.38	7.33
68.0	14.31	14.44	14.56	143	7.12	7.06	7.02
69.0	15.11	15.26	15.39	144	6.82	6.77	6.73
70.0	15.91	16.06	16.22	145	6.54	6.48	6.45
70.5	16.71	16.89	17.04	146	6.28	6.24	6.20
71.0	17.53	17.71	17.88	147	6.00	5.96	5.93
71.5	18.34	18.54	18.73	148	5.67	5.64	5.61
72.0	19.16	19.37	19.56	149	5.33	5.29	5.27
				150	4.96	4.93	4.90
				155	4.58	4.55	4.53
				160	4.20	4.18	4.16
				165	3.82	3.80	3.79
				170	3.44	3.42	3.41
				175	3.06	3.05	3.04
				180	2.73	2.72	2.71
				185	2.44	2.43	2.42
				190	2.17	2.16	2.16
				195	1.93	1.92	1.92
				200	1.72	1.71	1.70
				250	1.35	1.34	1.34
				300	1.04	1.04	1.03
				350	0.81	0.80	0.80
				400	0.70	0.69	0.69
				450	0.64	0.63	0.63
				500	0.60	0.59	0.59
				550	0.57	0.57	0.57
				600	0.56	0.55	0.55
				650	0.54	0.54	0.53
				700	0.53	0.53	0.52
				750	0.52	0.52	0.52
				800	0.52	0.51	0.51
				850	0.51	0.51	0.51
				900	0.51	0.50	0.50
				950	0.51	0.50	0.50
				1000	0.50	0.50	0.50