

Surface Mount Band Stop Filter

BSP-255310+

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	0.02	0.02	0.03	60.63	54.94	51.59	65.50	57.39	53.34
1	0.02	0.03	0.03	57.79	53.71	50.52	60.80	55.52	51.73
10	0.03	0.04	0.05	44.58	41.94	38.31	45.10	42.49	38.93
20	0.04	0.05	0.06	39.49	37.22	33.58	38.93	37.16	33.99
30	0.05	0.07	0.08	35.52	34.07	30.92	35.10	34.26	31.71
40	0.07	0.08	0.10	32.52	31.99	29.53	32.10	32.14	30.53
50	0.08	0.09	0.11	30.15	30.44	28.93	29.79	30.54	30.02
60	0.08	0.10	0.13	28.21	29.15	28.74	27.90	29.14	29.81
70	0.10	0.12	0.14	26.62	27.96	28.64	26.47	27.99	29.55
80	0.11	0.13	0.16	25.44	27.00	28.46	25.41	27.03	28.98
90	0.12	0.15	0.17	24.61	26.22	27.96	24.66	26.23	28.01
100	0.13	0.16	0.19	24.05	25.56	27.17	24.19	25.60	26.93
110	0.15	0.19	0.21	23.70	25.07	26.36	23.88	25.09	25.95
120	0.17	0.20	0.24	23.51	24.71	25.73	23.73	24.78	25.36
130	0.18	0.23	0.26	23.42	24.53	25.46	23.60	24.60	25.15
140	0.20	0.25	0.29	23.48	24.67	25.79	23.55	24.69	25.51
150	0.23	0.29	0.33	23.71	25.18	26.83	23.70	25.18	26.67
160	0.26	0.33	0.37	24.33	26.32	29.05	24.29	26.36	29.15
170	0.30	0.38	0.43	25.84	28.72	33.73	25.79	28.89	34.72
180	0.36	0.45	0.52	29.35	34.17	39.67	29.35	35.00	48.50
190	0.45	0.56	0.64	37.39	35.61	29.52	37.04	36.94	30.18
200	0.58	0.72	0.83	27.12	25.57	23.32	27.06	25.90	23.84
210	0.81	0.99	1.13	20.25	20.13	19.42	20.40	20.55	20.13
220	1.19	1.43	1.62	17.11	17.58	17.60	17.77	18.82	19.41
230	1.94	2.41	2.77	16.42	15.63	14.85	25.49	26.78	25.12
240	6.24	7.40	8.25	5.44	5.23	5.11	6.72	6.57	6.52
245	12.01	13.37	14.31	2.80	2.97	3.10	3.41	3.67	3.87
250	19.60	21.02	22.00	1.85	2.11	2.29	2.22	2.55	2.78
255	28.74	30.33	31.38	1.48	1.74	1.94	1.72	2.04	2.27
260	40.77	42.30	43.02	1.30	1.55	1.75	1.47	1.78	1.99
262	46.21	46.36	46.05	1.25	1.50	1.70	1.41	1.70	1.91
270	45.43	45.34	45.40	1.12	1.37	1.56	1.23	1.51	1.71
280	47.20	47.63	47.88	1.07	1.31	1.51	1.14	1.41	1.61
290	46.42	46.58	46.60	1.09	1.33	1.53	1.13	1.40	1.62
295	44.92	45.05	45.04	1.13	1.38	1.59	1.16	1.44	1.67
300	43.08	43.21	43.23	1.19	1.45	1.67	1.21	1.50	1.75
305	40.55	40.64	40.63	1.30	1.57	1.80	1.30	1.61	1.87
310	36.54	36.40	36.22	1.45	1.74	2.00	1.44	1.77	2.05
320	24.09	23.64	23.31	2.13	2.56	2.93	2.05	2.50	2.88
325	17.03	16.65	16.41	3.04	3.68	4.19	2.87	3.48	3.98
330	10.41	10.27	10.26	5.41	6.56	7.35	4.95	5.95	6.65
340	3.48	3.90	4.20	20.16	17.08	16.01	16.65	15.37	14.85
345	2.66	3.06	3.33	14.41	13.43	13.05	14.66	13.79	13.51
350	2.19	2.54	2.77	13.55	13.10	12.86	14.41	13.97	13.79
360	1.52	1.79	1.98	16.44	16.26	15.93	18.74	18.64	18.29
370	1.12	1.35	1.51	21.25	20.82	20.37	33.52	32.72	30.61
380	0.91	1.11	1.25	21.00	19.90	19.77	24.82	23.21	23.39
390	0.79	0.98	1.10	18.05	17.00	16.95	18.91	17.89	17.97
400	0.72	0.90	1.02	16.08	15.11	15.05	16.37	15.48	15.51
500	0.47	0.64	0.76	13.25	12.29	11.81	13.21	12.28	11.86
600	0.38	0.55	0.67	13.76	12.88	12.16	13.78	12.88	12.24
700	0.34	0.51	0.65	14.14	13.31	12.40	14.20	13.35	12.51
800	0.32	0.50	0.65	14.53	13.53	12.47	14.63	13.59	12.58
900	0.32	0.51	0.67	14.72	13.60	12.52	14.84	13.68	12.62
1000	0.32	0.52	0.68	14.59	13.60	12.58	14.66	13.67	12.67

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Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
255	8.70	6.38	4.64
256	4.81	1.60	-0.66
258	-5.45	-10.85	-14.05
259	-12.48	-18.32	-20.90
260	-20.81	-25.24	-26.36
261	-28.81	-30.13	-29.81
262	-34.03	-32.84	-31.14
263	-36.61	-33.17	-30.46
264	-36.51	-31.30	-27.48
265	-33.91	-26.98	-22.52
266	-28.44	-20.65	-16.61
267	-20.60	-13.78	-10.77
268	-12.55	-8.22	-6.21
269	-6.56	-4.00	-3.00
270	-2.56	-1.25	-0.29
271	0.07	1.04	1.34
272	1.86	2.45	2.81
273	3.20	3.70	4.17
274	4.19	4.67	5.20
275	5.09	5.54	6.19
276	5.72	6.47	7.06
277	6.47	7.21	7.58
278	6.91	7.61	8.30
279	7.41	8.15	8.97
280	7.96	8.67	9.21
281	8.19	9.01	9.55
282	8.36	9.02	9.55
283	8.48	8.99	9.64
284	8.46	9.06	9.45
285	8.52	9.01	9.28
286	8.36	8.72	8.80
287	8.04	8.34	8.61
288	7.82	8.07	8.13
289	7.60	7.87	7.91
290	7.34	7.49	7.54
291	7.16	7.10	7.39
292	6.87	6.94	7.28
293	6.80	6.95	7.12
294	6.75	6.87	7.10
295	6.74	6.99	7.17
296	6.85	7.08	7.34
297	7.06	7.25	7.58
298	7.12	7.57	7.90
299	7.46	7.88	8.24
300	7.69	8.24	8.82
301	8.08	8.68	9.19
302	8.49	9.08	9.80
303	8.79	9.60	10.35
304	9.21	10.07	10.88
305	9.68	10.54	11.31
306	9.97	10.86	11.66
307	10.32	11.16	11.88
308	10.49	11.34	12.07
309	10.69	11.36	11.94
310	11.03	11.62	11.98

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