

Surface Mount Band Pass Filter

SXBP-240+

Typical Performance Data

FREQ. (MHz)	INSERTION LOSS (dB)			INPUT RETURN LOSS (dB)			OUTPUT RETURN LOSS (dB)		
	@ -40° C	@ +25° C	@ +85° C	@ -40° C	@ +25° C	@ +85° C	@ -40° C	@ +25° C	@ +85° C
5	85.47	93.02	87.79	0.57	0.73	0.88	0.55	0.71	0.87
10	82.38	86.33	83.60	0.55	0.70	0.83	0.54	0.69	0.82
50	79.66	77.04	81.24	0.25	0.29	0.32	0.23	0.27	0.31
100	85.62	83.41	85.39	0.08	0.12	0.15	0.08	0.12	0.15
210	48.64	47.05	46.75	0.18	0.29	0.35	0.18	0.31	0.36
226	17.04	14.28	13.64	1.96	3.27	4.34	1.83	3.47	3.91
229	8.35	7.32	7.40	7.22	10.59	12.63	6.36	11.28	10.70
238	3.57	4.35	4.81	20.29	18.73	19.71	20.88	19.57	21.48
240	3.54	4.39	4.91	19.27	18.55	19.60	21.15	21.65	20.92
242	3.60	4.57	5.18	18.96	17.08	16.64	24.69	20.62	17.49
250	7.88	11.44	13.56	8.29	5.67	4.74	7.08	4.87	4.27
253	14.92	18.45	20.40	2.82	2.47	2.32	2.53	2.21	2.13
260	29.41	31.67	33.08	0.84	0.91	0.95	0.76	0.85	0.89
275	47.62	48.80	49.75	0.28	0.35	0.40	0.25	0.34	0.38
280	51.83	52.84	53.72	0.23	0.29	0.33	0.20	0.30	0.32
290	59.03	60.15	60.76	0.16	0.22	0.26	0.14	0.23	0.25
300	64.11	65.51	65.82	0.11	0.18	0.21	0.10	0.18	0.21
400	88.34	87.02	87.80	0.02	0.08	0.11	0.03	0.12	0.13
500	108.33	94.69	88.74	0.00	0.08	0.11	0.03	0.14	0.15
600	89.63	87.52	83.44	0.00	0.09	0.13	0.05	0.17	0.17
700	96.82	97.31	88.09	0.01	0.11	0.16	0.06	0.20	0.20
800	83.84	85.73	92.75	0.01	0.12	0.17	0.09	0.26	0.25
900	80.45	87.45	84.04	0.02	0.15	0.20	0.09	0.27	0.27
1000	80.25	86.45	84.35	0.02	0.16	0.22	0.11	0.30	0.30
1100	89.08	83.61	81.41	0.03	0.18	0.24	0.13	0.32	0.33
1200	73.07	79.43	85.26	0.04	0.20	0.27	0.15	0.36	0.36
1300	78.12	90.19	75.70	0.05	0.21	0.29	0.16	0.37	0.39
1400	66.34	74.70	71.23	0.04	0.22	0.30	0.16	0.39	0.41
1500	76.98	72.54	73.05	0.05	0.23	0.32	0.16	0.40	0.43
1600	83.79	76.62	100.12	0.06	0.24	0.35	0.15	0.41	0.45
1700	66.32	72.75	67.71	0.09	0.27	0.37	0.15	0.40	0.47
1800	80.96	66.53	83.60	0.08	0.28	0.38	0.14	0.40	0.45
1900	61.28	60.48	65.39	0.09	0.29	0.40	0.12	0.38	0.45
2000	67.14	74.33	67.96	0.09	0.29	0.40	0.09	0.36	0.45
2100	54.86	58.26	59.35	0.12	0.32	0.43	0.06	0.35	0.45
2200	65.65	57.60	63.96	0.10	0.32	0.44	0.01	0.31	0.42
2300	52.47	53.98	50.90	0.13	0.34	0.47	0.02	0.29	0.42
2400	55.35	51.88	55.22	0.12	0.33	0.49	0.06	0.27	0.39
2500	55.61	54.99	56.69	0.08	0.34	0.48	0.11	0.23	0.37
2600	52.72	47.81	50.52	0.13	0.35	0.52	0.10	0.24	0.38
2700	50.11	52.74	47.66	0.14	0.35	0.54	0.11	0.20	0.42
2800	42.42	43.70	43.79	0.22	0.53	0.73	0.06	0.44	0.64
2900	46.37	45.32	47.82	0.38	0.51	0.64	0.15	0.19	0.34
3000	45.20	46.79	44.81	0.10	0.38	0.56	0.24	0.08	0.33
3100	43.03	43.05	42.33	0.16	0.43	0.60	0.23	0.10	0.28
3200	41.09	37.26	39.04	0.18	0.52	0.64	0.32	0.05	0.22
3300	40.27	48.86	42.18	0.22	0.46	0.72	0.30	0.02	0.24
3400	45.59	37.47	41.72	0.22	0.51	0.76	0.30	0.11	0.26
3500	32.72	32.91	34.16	0.25	0.73	0.82	0.02	0.15	0.42
3600	31.31	33.18	31.95	0.35	0.94	1.11	0.28	0.11	0.29
3700	40.04	34.24	37.81	0.27	0.65	0.91	0.20	0.15	0.36
3800	37.09	36.11	35.19	0.34	0.87	1.09	0.09	0.26	0.62
3900	52.63	34.91	41.90	0.59	1.02	1.35	0.18	0.49	0.71
4000	33.76	28.68	36.83	0.75	1.44	1.88	0.40	1.00	1.26

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Surface Mount Band Pass Filter

SXBP-240+

Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
200.0	1.90	1.97	4.59
210.0	3.77	3.64	4.32
212.0	4.86	5.24	5.70
214.0	5.88	6.87	7.49
215.0	6.15	7.34	8.04
216.0	7.04	8.56	8.94
218.0	8.70	10.24	11.09
220.0	10.98	13.25	14.68
222.0	14.49	18.05	20.15
224.0	20.49	26.32	29.70
225.0	25.31	32.66	36.57
226.0	31.81	40.45	44.57
228.0	49.83	56.49	58.43
230.0	63.69	63.14	62.07
232.0	63.85	58.61	56.55
234.0	55.48	51.89	51.09
235.0	52.35	50.03	49.64
236.0	49.46	48.31	48.09
238.0	47.69	46.82	46.97
238.5	47.29	46.53	46.91
239.0	47.01	46.55	46.97
239.5	46.73	46.44	46.96
240.0	46.59	46.63	47.17
240.5	46.56	46.69	47.31
241.0	46.70	46.98	47.58
241.5	46.69	47.14	47.85
242.0	46.95	47.52	48.37
244.0	48.50	50.18	52.01
245.0	50.92	53.47	55.26
246.0	53.13	55.44	56.36
248.0	58.04	56.46	54.18
250.0	56.52	49.47	44.40
252.0	45.31	36.44	31.58
254.0	31.00	24.93	21.92
255.0	25.24	20.76	18.44
256.0	20.78	17.48	15.85
258.0	14.90	13.03	12.00
260.0	11.16	10.04	9.53
262.0	8.88	8.06	7.72
264.0	7.08	6.79	6.31
265.0	6.50	6.00	5.75
266.0	5.76	5.79	5.66
268.0	5.06	4.74	4.76
270.0	4.44	4.18	3.96
272.0	3.76	3.46	3.70
274.0	3.60	3.45	3.08
275.0	2.83	2.95	3.43
276.0	2.68	3.13	2.66
278.0	2.90	3.37	2.87
280.0	3.17	3.37	2.27
285.0	2.43	2.48	2.45
290.0	1.76	3.23	2.40
295.0	1.99	1.52	2.30
300.0	1.48	1.63	1.53

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