

# Surface Mount Band Pass Filter

# SXBP-350+

## 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
1	100.62	98.12	91.59	0.07	0.09	0.12	0.08	0.12	0.14
10	94.93	91.31	88.69	0.12	0.14	0.17	0.12	0.15	0.18
100	77.34	77.38	79.63	0.20	0.25	0.29	0.19	0.25	0.28
200	75.20	74.89	73.34	0.10	0.15	0.19	0.11	0.17	0.19
245	51.55	52.29	52.10	0.10	0.17	0.20	0.11	0.17	0.21
260	44.06	43.67	43.44	0.12	0.20	0.24	0.12	0.20	0.25
270	38.43	38.03	37.77	0.15	0.25	0.29	0.15	0.25	0.30
280	32.33	31.86	31.55	0.22	0.32	0.37	0.21	0.33	0.39
300	17.43	16.77	16.34	0.68	0.97	1.14	0.70	1.03	1.18
310	8.13	7.83	7.51	2.45	3.56	4.16	2.50	3.72	4.27
320	2.15	2.59	2.67	15.04	16.18	17.13	16.06	19.02	19.20
330	1.46	1.78	1.94	17.98	18.74	18.55	18.31	19.28	18.97
342	1.29	1.60	1.77	23.63	23.53	23.25	23.92	23.92	23.40
350	1.28	1.61	1.79	24.01	22.80	21.96	23.88	22.74	21.81
366	1.50	1.85	2.05	15.08	16.19	16.76	14.98	15.87	16.33
375	1.63	2.16	2.49	24.95	23.15	21.31	20.89	18.87	17.94
392	8.16	9.41	10.28	2.52	2.64	2.53	2.44	2.55	2.44
435	30.52	31.14	31.64	0.33	0.44	0.49	0.31	0.43	0.48
520	51.14	51.47	51.85	0.11	0.21	0.25	0.09	0.20	0.24
600	62.59	63.02	63.32	0.05	0.16	0.20	0.06	0.16	0.20
700	72.56	73.72	74.73	0.04	0.14	0.18	0.04	0.14	0.19
800	85.01	87.04	79.62	0.01	0.14	0.18	0.02	0.14	0.19
900	81.30	90.03	86.41	0.01	0.15	0.20	0.01	0.15	0.20
1000	91.77	89.45	88.09	0.02	0.16	0.21	0.00	0.16	0.21
1100	88.31	87.44	91.41	0.02	0.17	0.23	0.01	0.17	0.24
1200	87.37	92.25	86.91	0.02	0.19	0.25	0.01	0.18	0.25
1300	81.49	89.16	80.22	0.03	0.20	0.27	0.02	0.19	0.27
1400	93.64	89.81	92.89	0.04	0.21	0.28	0.02	0.21	0.28
1500	80.96	83.96	73.16	0.04	0.23	0.31	0.02	0.22	0.30
1600	77.70	82.79	76.90	0.05	0.24	0.32	0.04	0.23	0.32
1700	66.71	72.96	75.93	0.08	0.25	0.35	0.07	0.26	0.36
1800	72.73	69.93	74.75	0.09	0.27	0.37	0.06	0.26	0.36
1900	68.72	69.32	71.40	0.06	0.27	0.39	0.04	0.26	0.37
2000	69.79	70.45	79.18	0.10	0.29	0.39	0.06	0.29	0.39
2100	61.75	65.32	65.04	0.09	0.29	0.40	0.05	0.27	0.38
2200	41.64	49.05	52.01	0.16	0.32	0.44	0.12	0.32	0.43
2300	51.52	54.54	52.37	0.11	0.34	0.46	0.08	0.32	0.45
2400	56.05	59.08	55.96	0.10	0.32	0.44	0.05	0.30	0.43
2500	61.26	59.61	55.06	0.10	0.33	0.47	0.08	0.32	0.46
2600	55.45	56.16	51.09	0.10	0.33	0.47	0.07	0.31	0.48
2700	46.83	50.92	49.83	0.12	0.35	0.49	0.13	0.34	0.50
2800	46.95	47.69	47.88	0.15	0.37	0.49	0.09	0.37	0.51
2900	47.57	46.69	48.56	0.09	0.39	0.56	0.05	0.36	0.51
3000	43.99	45.26	46.12	0.12	0.43	0.61	0.08	0.38	0.54
3100	42.70	44.84	47.07	0.14	0.42	0.59	0.17	0.40	0.55
3200	44.82	44.00	44.21	0.15	0.42	0.60	0.09	0.43	0.59
3300	38.31	41.12	39.30	0.16	0.47	0.66	0.06	0.46	0.65
3400	42.03	38.47	36.81	0.20	0.51	0.70	0.17	0.49	0.70
3500	33.82	36.63	35.37	0.19	0.54	0.73	0.17	0.50	0.70
3600	39.72	37.02	35.75	0.22	0.58	0.75	0.19	0.57	0.76
3700	39.11	37.48	35.44	0.23	0.61	0.82	0.15	0.62	0.88
3800	39.27	34.38	35.92	0.24	0.66	0.86	0.26	0.65	0.90
3900	34.60	32.25	32.88	0.24	0.69	0.93	0.25	0.69	0.88
4000	32.10	30.53	31.55	0.33	0.73	0.98	0.36	0.70	0.95

REV. X2  
SXBP-350+  
101118  
Page 1 of 2



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# SXBP-350+

## Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
210	3.12	1.60	2.30
220	1.13	1.21	0.65
230	1.58	1.73	1.78
240	1.88	1.73	0.52
250	1.99	1.44	1.13
260	2.35	2.29	2.18
270	2.83	3.00	3.04
280	3.71	3.87	3.92
290	5.08	5.35	5.62
300	8.19	8.75	9.19
310	16.37	17.13	17.82
320	21.93	21.34	20.88
330	16.30	15.99	15.76
332	15.58	15.34	15.17
334	15.02	14.84	14.70
336	14.59	14.44	14.35
338	14.24	14.12	14.05
340	13.97	13.86	13.81
342	13.74	13.67	13.61
344	13.54	13.48	13.46
346	13.38	13.34	13.31
348	13.24	13.22	13.19
350	13.13	13.11	13.1
352	13.04	13.02	13.04
354	12.97	12.96	12.98
356	12.91	12.91	12.96
358	12.91	12.93	12.99
360	12.91	12.96	13.05
362	12.98	13.05	13.18
364	13.05	13.21	13.37
366	13.26	13.47	13.69
368	13.54	13.82	14.12
370	13.94	14.33	14.67
372	14.46	14.93	15.33
374	15.05	15.53	15.94
375	15.7	16.2	16.59
380	17.69	17.67	17.59
390	14.9	13.77	12.92
400	8.04	7.5	7.09
420	3.44	3.38	3.29
430	2.61	2.55	2.5
440	1.98	1.89	1.89
450	1.54	1.52	1.51
460	1.42	1.48	1.42
470	1.4	1.28	1.32
480	1.21	1.16	1.12
500	0.72	0.76	0.87
520	1.03	0.8	0.84
530	0.85	0.43	0.57
540	0.55	0.58	0.58
550	0.8	0.38	0.47
560	0.58	0.53	0.51
570	0.52	0.49	0.22
580	0.18	0.38	0.49
600	0.65	0.47	0.24

REV. X2  
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Page 2 of 2



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