

Surface Mount Band Pass Filter

SXBP-507+

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	109.05	91.01	92.79	0.00	0.00	0.00	0.00	0.00	0.00
10	93.34	94.90	87.05	0.00	0.00	0.01	0.01	0.00	0.01
50	97.76	91.75	84.71	0.01	0.01	0.02	0.01	0.00	0.02
100	75.12	74.04	75.73	0.02	0.01	0.03	0.02	0.00	0.03
200	53.06	52.88	52.88	0.01	0.05	0.08	0.02	0.06	0.09
220	48.87	48.80	48.68	0.02	0.06	0.10	0.03	0.08	0.12
300	31.41	31.35	31.21	0.13	0.20	0.25	0.15	0.24	0.29
345	18.61	18.49	18.33	0.38	0.52	0.60	0.49	0.65	0.77
390	3.13	3.31	3.40	6.03	6.42	6.72	8.30	9.27	10.12
400	1.81	2.07	2.23	11.00	11.04	11.08	18.86	20.09	20.73
460	1.14	1.41	1.58	16.43	16.09	15.78	15.11	14.91	14.74
485	1.10	1.40	1.60	17.43	16.26	15.40	17.13	16.05	15.16
500	1.22	1.54	1.74	15.63	14.69	14.02	15.18	14.29	13.60
507	1.27	1.59	1.79	14.88	14.20	13.70	14.42	13.74	13.25
545	1.57	1.99	2.29	20.39	18.23	16.72	26.67	21.92	19.04
560	2.12	2.65	3.03	14.15	13.41	12.93	13.72	12.77	12.02
580	6.17	7.75	9.06	5.93	5.32	4.79	6.83	6.11	5.51
590	14.46	16.23	17.69	1.88	1.98	1.99	2.25	2.35	2.34
600	23.29	24.97	26.31	1.02	1.19	1.26	1.23	1.42	1.49
615	36.56	38.11	39.48	0.64	0.79	0.89	0.74	0.91	0.99
635	62.69	64.36	65.26	0.40	0.54	0.63	0.47	0.63	0.70
700	68.58	68.23	69.90	0.17	0.30	0.36	0.18	0.32	0.38
800	64.40	65.51	65.83	0.07	0.20	0.27	0.09	0.21	0.27
900	64.88	66.48	66.08	0.03	0.15	0.22	0.05	0.17	0.22
1000	66.86	69.23	69.80	0.03	0.16	0.23	0.04	0.16	0.23
1200	74.67	78.99	74.88	0.03	0.17	0.24	0.03	0.17	0.24
1300	81.52	78.00	75.03	0.02	0.18	0.25	0.03	0.19	0.27
1400	89.61	77.01	84.11	0.04	0.19	0.28	0.03	0.20	0.28
1500	82.76	86.05	85.90	0.02	0.18	0.28	0.03	0.20	0.29
1600	75.18	74.69	73.88	0.04	0.21	0.31	0.05	0.22	0.31
1800	67.64	69.34	72.29	0.06	0.24	0.35	0.05	0.25	0.34
2000	75.90	68.89	72.14	0.06	0.25	0.35	0.04	0.24	0.36
2200	62.66	66.63	68.00	0.08	0.28	0.39	0.05	0.26	0.38
2250	57.61	59.47	53.38	0.09	0.29	0.40	0.06	0.26	0.39
2300	66.77	60.53	61.14	0.09	0.29	0.41	0.06	0.28	0.39
2400	66.51	58.77	57.74	0.08	0.29	0.42	0.06	0.26	0.40
2500	59.89	57.99	52.74	0.09	0.30	0.45	0.07	0.30	0.44
2600	57.04	52.15	54.36	0.11	0.31	0.47	0.05	0.30	0.42
2800	46.58	48.32	45.73	0.14	0.33	0.49	0.08	0.31	0.48
3000	45.38	45.07	47.59	0.09	0.33	0.49	0.07	0.33	0.50
3200	42.40	40.81	40.67	0.17	0.39	0.60	0.16	0.39	0.56
3300	46.54	39.84	44.17	0.10	0.36	0.55	0.15	0.40	0.59
3400	37.94	40.79	40.00	0.15	0.40	0.62	0.10	0.39	0.56
3500	38.69	36.00	36.13	0.19	0.47	0.67	0.18	0.44	0.67
3600	37.02	38.49	38.21	0.14	0.43	0.60	0.23	0.47	0.68
3800	34.82	37.97	36.15	0.14	0.47	0.65	0.17	0.48	0.68
4000	30.09	32.35	33.81	0.26	0.61	0.85	0.41	0.64	0.89
4200	30.07	30.19	28.16	0.41	0.84	1.11	0.60	0.69	1.14
4300	29.73	30.46	28.55	0.32	0.91	1.13	0.35	0.69	1.05
4400	25.10	27.39	28.18	0.62	0.98	1.51	0.53	1.02	1.30
4500	24.60	27.05	24.80	0.61	1.19	1.46	0.69	1.24	1.67
4600	25.34	25.43	27.86	0.77	1.32	1.46	0.95	1.23	1.44
4800	21.13	23.20	22.20	1.00	1.53	1.86	1.31	1.56	2.46
5000	21.62	18.25	25.62	1.49	2.27	2.26	1.85	4.56	3.09

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Surface Mount Band Pass Filter

SXBP-507+

Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
160	0.56	0.27	0.77
170	1.00	0.59	0.55
180	0.56	0.73	0.38
190	0.88	0.52	0.60
200	0.62	0.53	0.53
220	0.81	0.63	0.75
230	0.81	0.79	0.77
240	0.83	0.74	0.81
250	0.82	0.77	0.83
260	0.90	0.91	0.92
270	1.09	1.10	1.10
280	1.22	1.17	1.22
290	1.20	1.24	1.24
300	1.28	1.28	1.34
320	1.81	1.82	1.90
330	2.14	2.18	2.26
340	2.56	2.62	2.69
350	3.10	3.20	3.30
360	4.04	4.15	4.28
370	5.52	5.65	5.79
380	7.45	7.53	7.61
390	8.89	8.83	8.81
400	8.97	8.83	8.73
410	7.96	7.85	7.75
420	6.89	6.83	6.80
430	6.26	6.24	6.24
440	6.00	6.00	6.01
450	5.90	5.90	5.91
460	5.84	5.85	5.86
465	5.83	5.84	5.86
470	5.84	5.85	5.87
475	5.87	5.88	5.91
480	5.90	5.91	5.92
485	5.94	5.94	5.97
490	5.98	5.98	6.01
495	6.02	6.03	6.06
500	6.06	6.08	6.11
505	6.13	6.15	6.18
507	6.21	6.25	6.28
510	6.32	6.37	6.41
515	6.48	6.53	6.60
520	6.68	6.76	6.84
525	6.92	7.02	7.14
530	7.22	7.33	7.48
535	7.58	7.72	7.87
540	7.99	8.14	8.29
545	8.45	8.60	8.75
550	9.01	9.16	9.32
555	9.72	9.94	10.17
560	10.80	11.14	11.49
570	14.15	14.39	14.60
580	15.17	14.76	14.38
590	11.90	10.96	10.15
600	6.91	6.26	5.75
610	3.99	3.58	3.26

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