

Surface Mount Band Pass Filter

SXBP-707+

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	93.58	100.30	93.39	0.01	0.00	0.00	0.01	0.01	0.01
5	94.43	97.36	95.72	0.00	0.00	0.01	0.01	0.00	0.00
50	92.37	87.07	87.52	0.01	0.01	0.01	0.01	0.00	0.01
100	81.63	90.65	87.89	0.01	0.02	0.03	0.01	0.01	0.04
200	67.14	66.63	66.93	0.01	0.02	0.06	0.02	0.03	0.06
300	52.50	52.35	51.98	0.01	0.07	0.10	0.01	0.07	0.10
400	37.67	37.54	37.43	0.05	0.15	0.21	0.08	0.18	0.23
450	29.25	29.08	28.87	0.13	0.25	0.32	0.18	0.29	0.36
500	18.85	18.64	18.36	0.40	0.58	0.71	0.46	0.63	0.76
510	16.43	16.21	15.89	0.54	0.75	0.90	0.60	0.81	0.95
600	1.67	2.00	2.22	11.38	11.48	11.51	9.82	9.83	9.77
650	1.44	1.79	2.04	14.20	14.17	14.08	11.74	11.60	11.40
707	1.67	2.05	2.31	11.12	11.10	11.09	10.62	10.61	10.48
750	1.94	2.38	2.72	14.76	17.19	19.78	10.83	10.89	10.81
770	2.29	2.93	3.43	20.87	18.20	16.03	11.66	10.57	9.74
830	29.25	31.12	33.04	1.37	1.62	1.74	0.84	1.04	1.14
840	38.19	40.25	42.35	1.06	1.31	1.41	0.66	0.86	0.97
900	44.70	45.79	46.34	0.40	0.58	0.67	0.30	0.44	0.55
1000	52.44	53.05	53.64	0.14	0.29	0.38	0.13	0.27	0.36
1200	53.63	54.36	54.77	0.04	0.18	0.26	0.04	0.19	0.28
1400	45.72	46.05	46.31	0.03	0.19	0.29	0.04	0.20	0.31
1500	28.07	28.93	30.03	0.25	0.40	0.48	0.47	0.65	0.69
1600	46.97	47.72	48.63	0.03	0.20	0.29	0.05	0.23	0.33
1700	54.47	55.76	58.18	0.04	0.20	0.30	0.06	0.23	0.34
1800	60.32	61.24	62.01	0.03	0.21	0.32	0.07	0.25	0.36
2000	61.64	63.50	61.43	0.06	0.23	0.35	0.07	0.26	0.38
2200	61.18	65.19	56.47	0.08	0.27	0.39	0.11	0.30	0.43
2400	63.25	62.53	62.98	0.09	0.29	0.41	0.11	0.29	0.43
2500	59.31	60.67	62.86	0.10	0.30	0.43	0.12	0.34	0.47
2600	50.86	54.75	48.96	0.12	0.33	0.46	0.11	0.31	0.46
2700	51.70	53.50	52.52	0.13	0.34	0.46	0.13	0.33	0.48
2800	54.03	51.11	57.35	0.14	0.33	0.50	0.13	0.36	0.49
3000	47.26	47.51	45.44	0.16	0.36	0.51	0.11	0.37	0.57
3200	42.66	46.30	46.10	0.16	0.42	0.56	0.20	0.40	0.56
3400	41.67	43.04	43.30	0.20	0.45	0.60	0.11	0.42	0.63
3500	35.27	38.60	36.99	0.26	0.50	0.77	0.21	0.45	0.66
3600	38.17	38.73	39.13	0.20	0.47	0.71	0.18	0.51	0.65
3700	35.07	36.65	37.12	0.25	0.56	0.84	0.26	0.49	0.75
3800	33.58	34.21	36.47	0.23	0.58	0.78	0.18	0.53	0.77
4000	34.61	33.66	32.55	0.29	0.66	0.94	0.20	0.61	0.86
4200	27.23	28.29	25.82	0.36	0.78	1.12	0.38	0.88	1.27
4400	26.87	27.69	27.82	0.54	1.08	1.28	0.64	1.06	1.30
4500	26.25	26.61	28.04	0.58	1.10	1.33	0.62	1.03	1.49
4600	23.49	24.89	26.39	0.90	1.32	1.64	0.66	1.35	1.37
4700	24.16	23.74	22.37	0.93	1.43	1.63	0.90	1.50	1.90
4800	19.92	21.32	23.35	1.53	1.88	2.19	1.44	1.49	1.94
5000	19.42	22.85	22.29	1.39	1.63	2.09	1.39	1.61	2.09
5200	23.14	23.40	20.91	1.31	1.80	2.38	1.87	1.98	2.70
5400	20.04	21.62	18.93	1.95	2.03	2.58	3.33	3.90	2.90
5500	22.60	19.36	19.18	1.42	2.20	2.82	1.90	2.39	2.63
5600	19.20	20.79	18.30	1.22	1.81	2.40	1.57	2.02	2.79
5700	22.23	21.82	20.43	1.41	1.99	2.81	1.57	2.05	2.22
5800	19.13	20.87	21.55	1.46	1.91	2.40	1.58	1.90	2.17
6000	20.53	20.99	21.22	1.52	2.09	2.14	1.13	1.86	2.29

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Surface Mount Band Pass Filter

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Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
190	0.15	0.25	0.26
200	0.66	0.75	0.66
240	0.29	0.36	0.25
250	0.34	0.39	0.27
260	0.57	0.48	0.33
280	0.45	0.44	0.50
300	0.61	0.44	0.55
340	0.68	0.63	0.64
350	0.57	0.62	0.59
360	0.65	0.65	0.67
380	0.69	0.70	0.70
400	0.81	0.82	0.83
440	1.02	1.06	1.08
450	1.20	1.24	1.28
460	1.31	1.32	1.38
480	1.45	1.49	1.55
500	2.13	2.22	2.29
540	4.63	4.81	5.01
550	5.95	6.08	6.24
560	6.99	6.99	7.01
580	6.73	6.55	6.39
600	5.20	5.12	5.05
640	4.55	4.53	4.53
650	4.53	4.51	4.52
655	4.55	4.53	4.54
660	4.60	4.58	4.59
665	4.65	4.63	4.64
670	4.71	4.68	4.69
675	4.74	4.73	4.75
680	4.76	4.76	4.76
685	4.76	4.76	4.76
690	4.75	4.74	4.76
695	4.74	4.74	4.76
700	4.73	4.75	4.75
705	4.76	4.78	4.81
707	4.79	4.83	4.87
710	4.87	4.93	4.97
715	4.99	5.05	5.13
720	5.14	5.19	5.30
725	5.28	5.36	5.48
730	5.44	5.55	5.67
735	5.64	5.75	5.89
740	5.83	5.96	6.10
745	6.05	6.19	6.34
750	6.30	6.45	6.60
755	6.63	6.76	6.91
760	7.00	7.12	7.26
765	7.47	7.59	7.74
770	8.06	8.21	8.42
780	9.82	10.09	10.45
790	11.87	12.03	12.17
800	12.13	11.80	11.38
810	9.67	8.90	8.15
820	6.26	5.44	4.88
830	3.46	2.75	2.12

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