

Surface Mount Band Pass Filter

SXBP-1200+

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	58.96	58.23	58.10	0.01	0.01	0.00	0.01	0.01	0.00
10	52.59	52.46	52.45	0.01	0.01	0.01	0.01	0.01	0.00
100	33.23	33.30	33.33	0.01	0.04	0.07	0.01	0.01	0.03
200	29.84	30.00	30.05	0.11	0.18	0.23	0.00	0.04	0.07
300	33.71	34.01	34.15	0.26	0.35	0.39	0.05	0.12	0.14
400	36.57	36.54	36.50	0.37	0.48	0.55	0.13	0.21	0.25
500	30.71	31.18	31.63	0.50	0.64	0.73	0.28	0.39	0.45
530	39.63	37.40	35.51	0.58	0.75	0.87	0.36	0.49	0.56
535	34.07	32.62	31.29	0.57	0.75	0.88	0.36	0.49	0.57
570	15.66	15.28	14.81	1.02	1.28	1.49	0.70	0.88	1.01
600	7.25	7.09	6.84	2.49	3.00	3.44	1.88	2.21	2.49
620	3.72	3.72	3.66	5.08	5.83	6.50	3.98	4.43	4.84
650	1.50	1.69	1.77	10.89	11.64	12.18	8.84	9.15	9.42
700	0.88	1.06	1.18	12.89	12.97	13.00	12.30	12.41	12.50
800	0.57	0.75	0.86	13.70	13.78	13.86	14.57	14.91	15.14
1000	0.55	0.75	0.88	12.18	12.22	12.18	12.77	12.81	12.74
1200	0.76	0.94	1.05	10.96	11.55	11.96	11.52	12.24	12.81
1400	0.71	0.98	1.12	9.93	10.26	10.39	11.01	11.89	12.37
1500	0.88	1.17	1.36	9.96	10.06	10.00	11.27	11.85	12.03
1600	0.86	1.22	1.45	10.60	10.37	10.18	11.94	11.99	11.89
1700	0.85	1.20	1.43	10.81	10.94	10.90	11.83	12.02	11.96
1800	0.95	1.34	1.59	11.56	12.48	13.03	12.64	13.85	14.74
1970	4.24	5.44	6.43	3.72	3.47	3.18	4.87	4.66	4.36
2000	6.94	8.22	9.29	2.00	2.05	1.96	2.80	2.93	2.88
2030	9.70	10.98	12.08	1.11	1.30	1.33	1.74	2.00	2.11
2100	17.36	18.60	19.70	0.39	0.64	0.77	0.82	1.19	1.38
2200	29.58	30.79	32.00	0.18	0.43	0.56	0.53	0.91	1.12
2220	31.54	33.03	34.35	0.15	0.41	0.56	0.50	0.87	1.11
2250	37.11	38.64	40.09	0.14	0.39	0.53	0.48	0.86	1.08
2400	42.25	42.13	42.06	0.11	0.35	0.49	0.42	0.80	1.06
2500	39.43	39.32	39.45	0.11	0.35	0.49	0.42	0.84	1.10
2600	39.07	39.53	39.70	0.09	0.34	0.47	0.45	0.87	1.15
2700	40.50	40.97	41.05	0.10	0.31	0.48	0.45	0.91	1.22
2800	39.82	40.27	40.56	0.08	0.33	0.48	0.49	0.96	1.29
3000	40.93	40.84	40.87	0.09	0.33	0.49	0.54	1.08	1.41
3200	41.16	41.03	41.43	0.10	0.35	0.51	0.61	1.25	1.60
3400	38.87	40.16	39.97	0.09	0.34	0.52	0.74	1.38	1.71
3500	39.29	39.79	38.32	0.12	0.38	0.55	0.82	1.44	1.91
3600	36.41	38.40	36.84	0.08	0.36	0.53	0.86	1.48	1.85
3700	37.95	38.45	38.50	0.08	0.37	0.55	0.88	1.47	1.84
3800	36.38	37.32	37.72	0.09	0.40	0.60	0.73	1.48	1.93
4000	33.17	35.89	35.15	0.11	0.46	0.65	0.87	1.40	1.78
4200	32.03	34.74	33.55	0.14	0.48	0.74	0.83	1.36	1.77
4400	28.93	31.18	32.97	0.12	0.54	0.82	0.65	1.19	1.37
4500	30.05	29.80	31.05	0.22	0.63	0.91	0.67	1.18	1.51
4600	31.14	30.23	31.55	0.26	0.72	1.05	0.74	1.18	1.40
4800	26.10	26.30	26.39	0.22	0.81	1.18	0.62	1.11	1.35
5000	24.35	23.55	23.03	0.56	1.16	1.67	0.57	1.04	1.33
5200	14.07	13.49	13.30	2.99	6.65	12.18	0.85	1.58	2.05
5400	16.84	17.96	19.00	1.79	2.15	2.43	0.62	1.12	1.44
5500	18.46	19.75	20.46	1.14	1.91	2.10	0.51	1.10	1.40
5600	19.26	20.12	19.88	1.22	1.95	2.22	0.39	1.09	1.45
5800	17.44	17.05	16.29	1.41	2.52	3.08	0.44	1.29	1.85
6000	10.36	9.63	10.11	4.52	7.49	7.78	1.87	4.11	4.93

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Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
560	1.26	1.37	1.55
600	3.71	3.74	3.79
700	2.27	2.23	2.20
800	1.47	1.45	1.45
850	1.31	1.29	1.29
860	1.29	1.26	1.26
880	1.24	1.22	1.22
900	1.21	1.19	1.19
950	1.13	1.10	1.10
960	1.12	1.10	1.10
980	1.07	1.05	1.05
1000	1.07	1.06	1.05
1050	1.04	1.02	1.03
1060	1.05	1.03	1.03
1080	1.02	1.00	1.01
1100	0.98	0.97	0.97
1140	0.98	0.97	0.98
1150	0.97	0.96	0.97
1160	0.98	0.97	0.97
1180	0.99	0.97	0.98
1200	0.95	0.94	0.95
1240	0.98	0.97	0.97
1250	0.97	0.96	0.97
1260	0.96	0.95	0.96
1280	0.95	0.94	0.95
1300	0.98	0.97	0.98
1340	0.98	0.97	0.97
1350	1.01	0.99	1.00
1360	1.01	0.99	0.99
1380	0.97	0.96	0.96
1400	0.99	0.98	0.98
1440	0.98	0.97	0.98
1450	1.00	0.98	1.00
1460	1.02	1.01	1.02
1480	1.05	1.03	1.03
1500	1.00	0.99	0.99
1540	1.07	1.06	1.05
1550	1.04	1.03	1.02
1560	1.04	1.02	1.02
1580	1.11	1.09	1.09
1600	1.11	1.10	1.10
1640	1.15	1.14	1.14
1650	1.17	1.15	1.16
1660	1.16	1.15	1.15
1680	1.17	1.14	1.15
1700	1.24	1.24	1.25
1740	1.24	1.25	1.26
1750	1.30	1.29	1.32
1760	1.35	1.35	1.38
1780	1.38	1.39	1.43
1800	1.43	1.45	1.49
1900	2.12	2.13	2.16
2000	2.04	1.89	1.78
2100	1.23	1.17	1.10
2200	0.62	0.51	0.40

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