

# Surface Mount Band Pass Filter

# SXBP-1430+

## 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	57.15	57.14	56.54	0.00	0.01	0.00	0.01	0.01	0.01
50	37.16	37.19	37.12	0.01	0.01	0.02	0.01	0.01	0.01
100	31.55	31.61	31.64	0.01	0.05	0.07	0.01	0.02	0.03
200	27.79	27.89	27.94	0.07	0.14	0.17	0.01	0.05	0.09
300	29.16	29.37	29.53	0.19	0.28	0.33	0.06	0.13	0.16
400	39.58	39.92	40.28	0.27	0.39	0.43	0.14	0.21	0.25
500	40.79	41.05	41.17	0.37	0.49	0.55	0.24	0.34	0.40
570	30.99	30.67	30.32	0.45	0.60	0.69	0.32	0.46	0.52
575	29.18	28.89	28.54	0.47	0.62	0.71	0.35	0.47	0.54
600	21.69	21.54	21.28	0.56	0.73	0.83	0.44	0.58	0.66
650	10.91	10.79	10.59	1.18	1.44	1.63	1.03	1.24	1.39
700	3.70	3.73	3.67	4.42	5.05	5.54	4.01	4.46	4.80
750	0.96	1.14	1.23	14.62	15.84	16.74	12.65	13.05	13.42
950	0.45	0.64	0.72	15.71	16.39	16.88	15.94	16.81	17.42
1200	0.31	0.52	0.64	25.75	25.10	24.72	25.08	24.24	23.89
1300	0.34	0.56	0.69	17.71	18.10	18.35	17.58	17.78	18.01
1430	0.43	0.65	0.77	13.99	14.52	14.95	13.98	14.47	14.95
1600	0.48	0.75	0.89	12.47	13.27	13.80	12.60	13.49	14.16
1700	0.60	0.85	0.98	13.06	14.02	14.60	13.27	14.52	15.35
1800	0.44	0.73	0.90	15.37	16.30	16.90	15.81	17.48	18.79
2000	0.49	0.88	1.10	22.21	20.21	18.93	25.42	22.20	20.66
2150	0.85	1.25	1.49	11.91	11.93	11.76	11.89	11.69	11.50
2200	1.03	1.42	1.70	10.47	10.65	10.66	10.36	10.44	10.33
2300	1.10	1.50	1.76	9.63	10.59	11.26	9.26	9.95	10.34
2400	1.23	1.76	2.19	17.62	24.48	51.10	13.05	13.35	13.03
2500	3.11	4.43	5.52	6.32	5.54	4.87	5.25	4.62	4.16
2650	16.97	18.07	19.32	0.66	0.95	1.11	0.63	0.95	1.14
2800	32.63	34.65	36.17	0.25	0.54	0.70	0.36	0.71	0.95
2850	42.51	44.95	46.96	0.21	0.49	0.67	0.35	0.76	0.96
3000	36.94	36.89	36.90	0.13	0.43	0.60	0.41	0.79	1.08
3200	35.61	35.17	34.88	0.12	0.38	0.56	0.51	0.96	1.27
3300	34.65	34.89	35.11	0.14	0.38	0.55	0.59	1.12	1.43
3400	34.26	35.01	35.05	0.11	0.38	0.54	0.66	1.22	1.63
3500	34.82	34.64	35.26	0.13	0.38	0.54	0.70	1.32	1.70
3600	34.75	35.11	35.08	0.11	0.37	0.54	0.73	1.40	1.84
3700	35.77	35.97	36.58	0.13	0.38	0.56	0.78	1.47	1.99
3800	35.12	35.16	35.34	0.12	0.40	0.57	0.82	1.57	2.08
4000	34.36	34.38	34.73	0.13	0.42	0.60	0.95	1.79	2.27
4200	32.90	33.60	34.26	0.13	0.45	0.66	1.09	1.93	2.31
4300	32.74	33.46	33.91	0.13	0.48	0.69	1.00	1.96	2.21
4400	30.29	30.98	32.26	0.15	0.52	0.73	1.06	1.78	2.21
4500	29.58	31.98	31.17	0.14	0.50	0.75	1.19	1.76	2.01
4600	30.72	30.18	31.62	0.15	0.57	0.81	1.18	1.72	1.95
4700	28.69	29.09	29.54	0.15	0.59	0.83	1.07	1.55	1.95
4800	27.54	27.12	27.59	0.21	0.60	0.89	0.92	1.41	1.83
5000	27.91	27.55	27.55	0.15	0.66	0.98	0.89	1.36	1.69
5200	25.01	25.91	25.92	0.26	0.87	1.21	0.79	1.23	1.49
5300	24.53	23.01	23.88	0.41	1.09	1.43	0.77	1.27	1.57
5400	23.72	24.10	24.19	0.59	1.04	1.57	0.76	1.28	1.55
5500	22.86	22.08	21.81	0.54	1.22	1.53	0.69	1.25	1.55
5600	19.08	17.98	18.42	1.10	1.66	2.23	0.74	1.34	1.71
5700	15.07	14.28	13.88	1.77	2.98	3.82	0.71	1.46	2.00
5800	9.08	8.88	8.80	4.75	8.79	15.22	1.57	2.59	3.24
6000	8.99	10.22	11.05	2.80	3.49	3.56	1.26	1.87	2.27

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Page 1 of 2



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# SXBP-1430+

## Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
580	1.09	1.05	1.06
600	1.51	1.48	1.52
700	3.03	3.02	3.04
800	1.87	1.83	1.80
900	1.22	1.19	1.20
950	1.09	1.08	1.08
1000	1.03	1.01	1.01
1100	0.92	0.91	0.91
1200	0.85	0.83	0.83
1240	0.84	0.83	0.83
1250	0.83	0.82	0.81
1260	0.82	0.80	0.81
1280	0.80	0.79	0.79
1300	0.81	0.79	0.80
1320	0.79	0.78	0.77
1340	0.76	0.75	0.75
1350	0.78	0.77	0.76
1360	0.80	0.78	0.78
1380	0.78	0.76	0.76
1400	0.75	0.74	0.74
1420	0.79	0.77	0.77
1440	0.77	0.76	0.76
1450	0.74	0.73	0.73
1460	0.72	0.71	0.72
1480	0.77	0.75	0.76
1500	0.78	0.77	0.77
1520	0.72	0.71	0.71
1540	0.75	0.73	0.74
1550	0.79	0.77	0.78
1560	0.78	0.77	0.77
1580	0.72	0.71	0.72
1600	0.75	0.72	0.73
1620	0.81	0.79	0.79
1640	0.74	0.73	0.74
1650	0.73	0.73	0.74
1660	0.75	0.74	0.74
1680	0.81	0.79	0.79
1700	0.73	0.73	0.74
1740	0.81	0.79	0.79
1750	0.81	0.80	0.79
1760	0.78	0.77	0.78
1780	0.78	0.77	0.77
1800	0.82	0.80	0.81
1900	0.83	0.82	0.82
2000	0.87	0.85	0.86
2100	0.95	0.93	0.92
2150	0.94	0.94	0.95
2200	0.96	0.95	0.95
2300	1.16	1.15	1.19
2400	1.47	1.54	1.60
2500	2.17	2.01	1.90
2600	0.91	0.85	0.74
2700	0.53	0.50	0.47
2750	0.63	0.56	0.47

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101121  
Page 2 of 2



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