

# Surface Mount Low Pass Filter

# SXLP-25+

## 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
0.5	0.05	0.06	0.06	40.30	40.03	39.35	41.42	41.09	40.07
4	0.08	0.09	0.10	25.70	25.54	25.33	25.61	25.40	25.16
12	0.17	0.19	0.21	30.14	29.97	29.64	29.83	29.80	29.63
15	0.24	0.26	0.29	23.91	23.71	23.47	23.85	23.63	23.39
20	0.39	0.41	0.45	25.42	25.63	25.78	27.98	28.33	28.59
21	0.45	0.47	0.51	20.68	20.75	20.80	21.80	21.94	22.06
25	0.69	0.72	0.78	17.20	17.28	17.47	17.64	17.72	17.87
28	1.93	2.03	2.17	8.84	8.69	8.55	8.43	8.29	8.15
29	3.83	3.99	4.16	4.56	4.51	4.46	4.37	4.32	4.28
31	9.63	9.83	10.01	1.49	1.50	1.52	1.42	1.43	1.46
36	23.45	23.62	23.77	0.44	0.45	0.48	0.43	0.45	0.47
40	32.02	32.17	32.29	0.30	0.31	0.33	0.30	0.32	0.34
47	43.85	43.97	44.08	0.21	0.22	0.23	0.21	0.22	0.24
50	48.19	48.21	48.39	0.19	0.20	0.21	0.19	0.20	0.22
100	79.31	77.47	79.24	0.10	0.11	0.12	0.09	0.12	0.15
200	80.33	79.96	82.35	0.09	0.11	0.12	0.07	0.11	0.14
300	84.78	82.56	83.64	0.09	0.12	0.15	0.06	0.12	0.16
400	85.70	84.53	85.20	0.10	0.14	0.17	0.06	0.14	0.18
500	85.77	93.54	87.26	0.11	0.16	0.20	0.07	0.16	0.22
600	89.74	84.50	85.57	0.13	0.19	0.23	0.08	0.18	0.25
700	86.20	91.01	87.70	0.14	0.21	0.26	0.09	0.21	0.29
800	96.38	86.30	95.61	0.17	0.24	0.31	0.11	0.24	0.33
900	90.48	83.72	86.62	0.19	0.27	0.34	0.14	0.27	0.38
1000	79.01	82.71	82.82	0.21	0.30	0.39	0.16	0.31	0.43
1200	80.36	84.04	80.98	0.29	0.40	0.51	0.24	0.42	0.57
1400	70.80	70.14	69.62	0.41	0.56	0.72	0.41	0.67	0.88
1500	64.63	67.34	65.06	0.52	0.71	0.91	0.66	0.96	1.21
1600	60.19	61.11	60.64	0.71	0.97	1.21	1.07	1.31	1.47
1800	56.69	58.60	58.40	1.64	1.90	2.06	0.99	1.17	1.35
2000	58.22	60.58	56.45	1.76	1.81	1.94	0.88	1.18	1.47
2200	53.14	52.68	57.22	1.51	1.80	2.11	1.14	1.60	2.02
2400	69.28	51.59	50.42	2.08	2.65	3.19	1.94	2.66	3.29
2500	52.92	65.78	50.78	2.83	3.55	4.12	2.75	3.49	4.16
2600	47.55	50.02	50.74	3.93	4.67	4.99	3.71	4.41	4.73
2800	45.54	47.20	45.74	5.47	5.08	4.77	4.91	4.59	4.34
3000	42.29	43.14	41.85	3.75	3.43	3.36	3.34	3.22	3.17
3200	38.23	37.08	48.41	2.58	2.68	2.84	2.29	2.49	2.64
3400	39.39	37.99	43.31	2.30	2.37	2.55	1.89	2.28	2.34
3500	35.42	36.64	36.35	2.13	2.32	2.40	1.93	2.28	2.41
3600	35.95	37.49	38.33	2.24	2.27	2.53	1.94	2.11	2.32
3800	34.91	31.80	34.01	2.25	2.44	2.67	2.08	2.59	2.86
4000	27.58	29.09	29.60	2.45	2.57	2.79	2.45	2.92	3.46
4200	22.83	26.90	25.51	2.90	3.22	3.36	3.96	4.00	4.48
4400	22.38	23.20	22.53	3.79	3.96	4.70	5.27	6.31	6.56
4500	21.95	24.77	24.14	4.81	5.47	5.56	7.28	7.65	8.44
4600	20.90	23.13	28.50	5.48	5.68	5.77	8.61	9.31	9.24
4800	22.75	23.87	24.63	7.29	8.09	8.06	11.37	12.50	11.96
5000	24.53	24.41	21.65	9.14	9.47	10.27	13.09	14.19	14.91
5200	21.20	28.51	24.84	11.38	11.40	12.08	17.34	18.06	17.59
5400	28.46	27.30	28.16	13.00	14.61	16.29	25.60	29.74	27.46
5500	22.76	25.97	22.85	19.94	19.70	22.51	31.04	28.32	30.52
5600	25.41	25.91	24.79	20.97	22.67	25.04	26.83	29.14	30.51
5800	24.91	24.45	26.41	19.34	17.50	17.68	25.67	22.98	22.15
6000	23.79	25.36	24.40	14.08	14.34	13.76	15.67	19.48	17.42

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# SXLP-25+

## Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
0.5	31.07	31.24	31.10
1	31.06	31.16	31.08
2	30.95	31.03	31.02
3	30.91	30.97	31.01
4	30.95	30.98	31.03
5	31.06	31.09	31.15
6	31.23	31.26	31.31
7	31.46	31.49	31.52
8	31.74	31.78	31.82
9	32.04	32.08	32.11
10	32.42	32.46	32.50
11	32.78	32.83	32.88
12	33.23	33.26	33.30
13	33.68	33.72	33.77
14	34.21	34.25	34.29
15	34.82	34.88	34.92
16	35.60	35.64	35.68
17	36.47	36.53	36.59
18	37.51	37.58	37.65
19	38.65	38.72	38.80
20	39.72	39.80	39.87
21	41.40	41.54	41.65
22	42.93	43.02	43.16
23	44.84	45.00	45.12
24	47.68	47.89	48.05
25	52.45	52.70	52.97
26	59.96	60.36	60.68
27	69.42	69.75	69.98
28	75.59	75.63	75.50
29	71.91	71.48	70.90
30	60.01	59.38	58.73
31	46.83	46.26	45.77
32	36.39	36.03	35.64
33	29.05	28.74	28.54
34	23.87	23.60	23.49
35	20.10	19.95	19.81
36	17.33	17.13	17.07
37	15.10	14.97	14.97
38	13.45	13.34	13.31
39	12.05	12.00	11.98
40	10.84	10.72	10.74
41	9.85	9.77	9.70
42	8.80	9.21	9.07
43	8.50	8.51	8.35
44	8.07	7.55	7.64
45	6.77	7.13	7.04
46	7.00	6.51	6.92
47	6.47	6.01	6.43
48	5.88	5.17	6.09
49	6.50	5.32	4.65
50	4.63	4.83	5.38
51	4.80	4.83	5.57
52	4.29	4.29	5.63
55	2.76	4.01	3.87
60	0.65	4.60	2.06

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