

# Surface Mount Low Pass Filter

# SXLP-44+

## 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	0.02	0.02	0.03	48.64	47.68	47.33	48.42	47.71	47.34
3.0	0.02	0.03	0.05	33.29	33.51	33.65	33.28	33.56	33.75
6.0	0.06	0.07	0.08	27.69	27.87	27.98	27.69	27.96	28.15
11.0	0.08	0.10	0.11	24.05	24.18	24.22	24.05	24.29	24.44
12.0	0.08	0.09	0.11	23.78	23.88	23.91	23.77	24.00	24.14
13.0	0.08	0.10	0.11	23.63	23.71	23.73	23.63	23.83	23.97
14.0	0.10	0.11	0.11	23.57	23.63	23.64	23.58	23.77	23.90
15.0	0.09	0.11	0.12	23.65	23.67	23.67	23.66	23.80	23.93
16.0	0.08	0.10	0.11	23.75	23.77	23.77	23.81	23.97	24.07
17.0	0.08	0.10	0.11	24.01	24.00	23.94	24.10	24.19	24.26
18.0	0.08	0.10	0.11	24.39	24.35	24.25	24.51	24.57	24.64
19.0	0.09	0.11	0.11	24.86	24.75	24.67	25.02	25.03	25.05
20.0	0.09	0.11	0.12	25.45	25.32	25.19	25.67	25.60	25.63
21.0	0.10	0.11	0.13	26.10	25.87	25.76	26.44	26.32	26.26
22.0	0.10	0.11	0.12	26.88	26.56	26.43	27.21	27.00	26.94
23.0	0.10	0.12	0.13	27.56	27.26	27.08	28.17	27.87	27.76
24.0	0.11	0.12	0.14	28.47	28.04	27.83	29.13	28.74	28.52
25.0	0.11	0.14	0.14	29.17	28.81	28.63	30.07	29.54	29.32
26.0	0.11	0.13	0.15	29.85	29.49	29.32	30.94	30.28	30.04
27.0	0.12	0.14	0.15	30.35	30.04	29.92	31.58	30.90	30.63
28.0	0.13	0.16	0.16	30.70	30.51	30.40	31.80	31.14	30.95
29.0	0.13	0.15	0.16	30.86	30.66	30.62	31.81	31.16	30.97
30.0	0.13	0.16	0.17	30.77	30.69	30.72	31.38	30.88	30.68
31.0	0.14	0.17	0.18	30.49	30.40	30.47	30.78	30.34	30.18
32.0	0.16	0.18	0.20	29.93	29.86	29.94	29.94	29.52	29.41
33.0	0.17	0.19	0.21	29.10	28.97	29.08	28.90	28.52	28.43
34.0	0.18	0.21	0.22	27.97	27.80	27.88	27.67	27.31	27.24
35.0	0.19	0.22	0.24	26.62	26.45	26.54	26.29	25.97	25.94
36.0	0.21	0.24	0.26	25.22	25.07	25.17	24.94	24.67	24.65
37.0	0.23	0.26	0.28	23.87	23.76	23.86	23.61	23.42	23.44
39.0	0.28	0.30	0.33	21.77	21.79	21.94	21.61	21.56	21.64
44.0	0.42	0.46	0.51	34.03	36.43	38.21	29.09	29.25	29.09
46.8	1.05	1.15	1.26	11.39	11.04	10.82	11.10	10.74	10.53
48.5	2.71	2.89	3.05	5.25	5.10	5.05	5.11	4.96	4.89
49.0	3.53	3.73	3.90	4.10	3.99	3.96	3.99	3.89	3.85
52.0	10.66	10.91	11.11	1.02	1.03	1.06	0.95	0.97	1.00
56.0	21.85	22.09	22.33	0.37	0.38	0.42	0.30	0.35	0.39
59.0	30.49	30.75	31.00	0.26	0.27	0.30	0.20	0.24	0.28
65.5	57.64	58.26	59.00	0.17	0.19	0.21	0.12	0.17	0.20
80.0	63.63	63.40	63.30	0.12	0.14	0.15	0.07	0.11	0.14
100.0	68.48	68.71	68.68	0.10	0.12	0.13	0.06	0.10	0.11
200.0	65.28	64.94	65.20	0.10	0.13	0.13	0.06	0.11	0.13
300.0	82.61	85.75	82.24	0.09	0.13	0.14	0.03	0.10	0.13
400.0	62.56	62.17	62.01	0.05	0.10	0.12	0.00	0.08	0.12
600.0	60.14	59.46	60.37	0.03	0.02	0.05	0.08	0.03	0.09
700.0	50.04	50.00	50.79	0.07	0.00	0.04	0.12	0.01	0.07
800.0	44.51	44.83	44.64	0.12	0.05	0.00	0.18	0.05	0.03
900.0	50.85	50.91	50.97	0.15	0.08	0.02	0.20	0.07	0.04
1000.0	50.28	48.27	46.24	0.16	0.08	0.01	0.55	0.89	1.21
1100.0	25.18	25.64	26.04	0.10	0.02	0.05	0.13	0.01	0.13
1200.0	33.18	33.18	33.35	0.18	0.09	0.01	0.28	0.12	0.00
1300.0	35.86	34.51	36.13	0.11	0.03	0.07	0.21	0.07	0.07
1400.0	34.35	34.34	34.40	0.10	0.00	0.08	0.23	0.06	0.06
1500.0	33.83	34.20	33.91	0.03	0.08	0.16	0.17	0.01	0.13

REV. X2  
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101123  
Page 1 of 2



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# SXLP-44+

## Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
0.5	13.53	13.57	13.65
10	13.77	13.83	13.89
11	13.84	13.89	13.88
12	13.90	13.93	14.01
13	13.98	14.05	14.03
14	14.09	14.05	14.08
15	14.25	14.26	14.27
16	14.40	14.43	14.42
17	14.54	14.56	14.63
18	14.79	14.82	14.83
19	14.91	14.95	14.97
20	15.15	15.15	15.20
21	15.37	15.41	15.40
22	15.65	15.65	15.71
23	15.85	15.92	15.92
24	16.18	16.19	16.23
25	16.46	16.53	16.52
26	16.75	16.79	16.82
27	17.09	17.09	17.16
28	17.48	17.52	17.56
29	17.89	17.90	17.95
30	18.37	18.42	18.45
31	18.86	18.90	18.95
32	19.42	19.45	19.54
33	19.97	20.07	20.10
34	20.61	20.67	20.76
35	21.41	21.45	21.48
36	22.14	22.21	22.32
37	23.00	23.13	23.17
38	24.01	24.14	24.25
39	25.07	25.25	25.30
40	26.10	26.18	26.34
41	28.42	28.33	28.48
42	30.44	30.74	30.71
43	33.06	33.38	33.56
44	36.57	37.03	37.07
45	40.93	41.37	41.62
46	46.52	46.86	47.15
47	52.23	52.52	52.54
48	55.75	55.67	55.54
49	55.01	54.64	54.23
50	49.68	49.34	48.84
51	43.11	42.63	42.04
52	36.25	35.96	35.43
53	30.44	30.22	29.77
54	25.85	26.07	25.38
55	22.15	21.97	21.99
56	19.04	19.63	19.61
57	16.75	16.30	16.40
58	15.78	14.84	15.01
59	13.32	13.32	13.11
60	12.69	12.50	11.62
61	10.70	9.79	10.90
62	8.46	8.03	7.23
63	8.09	5.04	5.65

REV. X2  
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Page 2 of 2



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