

Surface Mount Low Pass Filter

SXLP-90+

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	0.02	0.02	0.02	48.97	49.01	48.45	49.14	49.12	48.50
5	0.04	0.05	0.06	34.40	35.04	35.56	34.49	35.14	35.69
7	0.04	0.05	0.07	31.40	31.97	32.49	31.50	32.09	32.62
8	0.04	0.05	0.06	30.24	30.80	31.29	30.33	30.89	31.40
10	0.06	0.07	0.07	28.34	28.86	29.30	28.43	28.96	29.42
20	0.08	0.09	0.10	22.97	23.27	23.55	23.08	23.40	23.64
30	0.12	0.14	0.16	20.81	20.87	20.91	20.96	21.05	21.07
40	0.14	0.17	0.19	20.48	20.21	19.99	20.73	20.49	20.29
50	0.14	0.19	0.22	21.62	21.08	20.61	22.22	21.57	21.11
60	0.19	0.23	0.26	24.37	23.58	22.96	25.68	24.71	23.96
70	0.23	0.28	0.33	27.29	26.82	26.46	29.29	28.69	28.26
75	0.28	0.35	0.40	28.03	27.88	27.80	29.06	28.94	28.99
80	0.35	0.42	0.50	27.87	28.15	28.48	27.33	27.59	27.93
85	0.47	0.57	0.65	25.31	26.04	26.68	24.18	24.64	25.09
90	0.71	0.85	0.96	22.53	23.35	24.04	20.85	21.18	21.37
93	1.04	1.24	1.43	21.47	21.64	21.59	17.97	17.66	17.26
94	1.26	1.51	1.74	19.22	18.91	18.50	15.82	15.30	14.79
95	1.60	1.93	2.24	15.68	15.21	14.75	13.01	12.46	11.94
97	3.27	3.84	4.39	8.46	8.24	8.02	7.10	6.78	6.50
99	7.62	8.49	9.34	3.89	3.94	3.99	3.09	3.08	3.07
100	11.13	12.14	13.12	2.69	2.84	2.94	2.05	2.13	2.19
105	30.04	29.40	28.88	0.97	1.12	1.23	0.71	0.82	0.92
110	30.02	30.45	30.92	0.58	0.69	0.77	0.46	0.54	0.63
120	30.44	30.28	30.12	0.30	0.37	0.43	0.26	0.31	0.38
130	25.85	25.91	25.97	0.20	0.25	0.29	0.19	0.26	0.29
140	26.16	26.29	26.39	0.14	0.20	0.23	0.15	0.20	0.24
150	28.11	28.26	28.39	0.11	0.17	0.20	0.13	0.18	0.21
160	31.17	31.37	31.51	0.10	0.15	0.18	0.11	0.16	0.20
170	35.58	35.80	36.03	0.08	0.13	0.17	0.09	0.15	0.18
180	42.80	43.11	43.56	0.09	0.14	0.18	0.09	0.14	0.18
190	61.89	60.38	58.47	0.09	0.14	0.17	0.09	0.15	0.18
200	43.26	43.13	42.98	0.09	0.14	0.17	0.09	0.15	0.19
300	31.13	31.27	31.35	0.10	0.16	0.20	0.12	0.17	0.21
400	31.84	31.97	32.03	0.11	0.17	0.20	0.13	0.19	0.23
500	33.48	33.59	33.66	0.11	0.18	0.21	0.13	0.20	0.24
600	35.71	35.79	35.97	0.11	0.19	0.24	0.14	0.21	0.25
700	38.11	38.27	38.36	0.11	0.19	0.23	0.13	0.22	0.27
800	39.85	39.94	40.04	0.09	0.18	0.23	0.22	0.33	0.41
900	51.63	52.52	53.30	0.09	0.20	0.25	0.87	0.98	1.04
1000	62.08	63.75	62.54	0.07	0.19	0.24	0.16	0.27	0.34
1100	50.46	50.47	50.31	0.08	0.19	0.27	0.11	0.24	0.32
1200	45.95	45.92	45.64	0.05	0.19	0.28	0.11	0.25	0.34
1300	51.52	51.20	50.41	0.07	0.22	0.32	0.13	0.28	0.39
1400	23.08	23.74	24.33	0.53	0.64	0.69	0.27	0.44	0.56
1500	28.14	28.14	28.08	0.03	0.20	0.30	0.23	0.45	0.60
1600	27.68	27.67	27.60	0.03	0.20	0.31	0.38	0.65	0.84
1700	25.42	25.43	25.40	0.02	0.21	0.33	0.66	1.00	1.25
1800	23.88	23.99	24.11	0.01	0.21	0.35	1.06	1.45	1.74
1900	25.16	25.38	25.54	0.02	0.22	0.35	1.56	1.96	2.27
2000	25.25	25.47	25.68	0.03	0.23	0.38	1.02	1.28	1.44
2100	27.76	28.36	28.70	0.03	0.25	0.39	0.55	0.81	0.97
2200	30.42	31.12	31.84	0.21	0.43	0.57	0.36	0.59	0.74
2300	37.37	37.08	37.12	0.03	0.27	0.44	0.22	0.46	0.64
2400	43.52	42.28	41.27	0.07	0.31	0.48	0.46	0.72	0.92

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SXLP-90+

Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
1	4.31	4.48	4.41
10	4.24	4.20	4.23
12	4.28	4.47	4.17
14	4.39	4.36	4.33
15	4.41	4.35	4.38
16	4.31	4.61	4.44
18	4.50	4.52	4.47
20	4.34	4.36	4.44
22	4.52	4.63	4.34
24	4.58	4.59	4.54
25	4.59	4.49	4.60
26	4.33	4.33	4.54
28	4.44	4.49	4.51
30	4.51	4.49	4.63
32	4.60	4.34	4.62
34	4.96	4.96	4.85
35	4.60	4.75	4.62
36	4.82	4.70	4.84
38	4.88	4.86	4.78
40	4.93	5.01	4.84
42	4.91	4.88	4.81
44	5.08	5.00	5.08
45	5.31	5.18	5.11
46	5.10	5.16	5.28
48	5.36	5.29	5.28
50	5.45	5.36	5.46
52	5.56	5.59	5.66
54	5.48	5.63	5.71
55	5.92	6.00	5.84
56	5.81	5.92	5.94
58	6.23	6.07	5.95
60	6.21	6.25	6.32
62	6.38	6.52	6.55
64	6.69	6.76	6.77
65	6.98	7.04	7.10
66	7.21	7.03	7.12
68	7.33	7.45	7.25
70	7.71	7.89	7.93
72	8.10	8.13	8.20
74	8.50	8.51	8.56
75	8.87	8.90	9.12
76	9.15	9.29	9.26
78	9.76	9.73	9.81
80	10.49	10.41	10.77
82	11.55	11.64	11.82
84	12.77	12.63	12.86
85	13.31	13.48	13.66
86	14.14	14.29	14.45
88	16.04	16.35	16.28
90	18.66	19.13	19.49
92	22.85	23.35	23.96
94	29.52	30.28	30.88
95	34.42	35.10	35.85
98	50.15	49.05	47.87
100	43.21	39.97	36.81

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