

# Surface Mount Low Pass Filter

# SXLP-65+

## 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	49.09	49.08	48.90	48.82	48.78	48.50
10	0.05	0.06	0.07	24.13	24.19	24.22	24.01	24.16	24.27
20	0.09	0.11	0.12	21.45	21.33	21.19	21.39	21.37	21.34
30	0.11	0.13	0.14	26.25	25.67	25.14	26.42	25.84	25.39
40	0.15	0.17	0.19	31.67	33.55	35.71	32.12	34.17	36.40
50	0.24	0.28	0.31	26.58	27.21	27.52	26.05	26.86	27.42
55	0.31	0.35	0.39	35.17	35.59	34.91	32.88	33.77	34.25
60	0.42	0.47	0.52	32.67	33.46	34.58	32.63	33.67	35.07
65	0.62	0.69	0.76	33.24	31.40	30.41	29.29	28.08	27.58
68	1.02	1.13	1.24	15.71	15.01	14.77	15.17	14.48	14.27
69	1.32	1.47	1.59	12.18	11.65	11.49	11.82	11.29	11.16
70	1.79	1.98	2.12	9.28	8.88	8.79	9.01	8.62	8.54
71	2.50	2.73	2.89	6.92	6.63	6.59	6.71	6.42	6.40
72	3.48	3.76	3.93	5.07	4.87	4.87	4.89	4.71	4.71
73	4.74	5.05	5.24	3.68	3.55	3.57	3.53	3.42	3.45
74	6.24	6.59	6.78	2.67	2.60	2.64	2.55	2.49	2.54
75	7.93	8.30	8.49	1.97	1.94	1.98	1.86	1.85	1.90
76	9.76	10.13	10.32	1.49	1.48	1.53	1.39	1.40	1.46
78	13.61	13.99	14.17	0.93	0.95	0.99	0.85	0.89	0.95
79	15.57	15.95	16.13	0.77	0.79	0.83	0.70	0.74	0.80
80	17.55	17.92	18.10	0.66	0.68	0.72	0.59	0.63	0.69
81	19.52	19.90	20.07	0.57	0.59	0.63	0.51	0.55	0.61
82	21.50	21.88	22.05	0.51	0.53	0.57	0.45	0.49	0.55
83	23.49	23.86	24.03	0.46	0.48	0.51	0.40	0.45	0.50
84	25.48	25.86	26.03	0.42	0.44	0.48	0.36	0.41	0.46
85	27.49	27.88	28.05	0.39	0.41	0.44	0.34	0.38	0.43
86	29.53	29.92	30.09	0.36	0.38	0.41	0.31	0.36	0.40
90	38.22	38.62	38.83	0.29	0.30	0.33	0.25	0.29	0.33
96	57.22	58.10	58.34	0.22	0.24	0.26	0.19	0.23	0.27
100	60.46	60.33	60.44	0.19	0.22	0.24	0.17	0.21	0.24
110	57.59	57.68	57.91	0.15	0.17	0.19	0.13	0.17	0.20
120	64.63	65.36	65.31	0.13	0.15	0.17	0.12	0.16	0.19
130	84.57	85.50	82.45	0.12	0.14	0.16	0.11	0.15	0.18
140	73.78	72.60	74.29	0.11	0.13	0.15	0.10	0.14	0.17
150	72.43	71.82	72.30	0.10	0.13	0.15	0.09	0.13	0.17
160	74.13	74.09	75.10	0.10	0.12	0.14	0.08	0.13	0.17
170	79.40	76.83	77.73	0.10	0.13	0.14	0.08	0.13	0.17
180	91.11	89.23	87.94	0.10	0.12	0.14	0.08	0.13	0.17
190	89.69	88.89	92.41	0.10	0.12	0.14	0.08	0.13	0.17
200	78.76	78.56	80.07	0.10	0.12	0.14	0.08	0.13	0.17
300	83.74	84.09	81.33	0.11	0.14	0.15	0.08	0.14	0.18
400	64.55	64.73	64.48	0.12	0.15	0.16	0.08	0.15	0.20
500	59.52	59.40	58.97	0.12	0.15	0.17	0.08	0.16	0.20
600	57.38	57.32	57.38	0.13	0.16	0.18	0.08	0.16	0.21
700	57.52	57.18	57.56	0.13	0.17	0.18	0.07	0.17	0.22
710	57.93	58.14	58.33	0.13	0.17	0.19	0.08	0.17	0.22
800	58.63	56.58	56.26	0.13	0.18	0.19	0.07	0.18	0.23
900	41.40	41.47	42.22	0.15	0.19	0.21	0.09	0.20	0.26
1000	49.08	50.41	49.29	0.13	0.19	0.20	0.06	0.19	0.25
1100	55.59	61.99	51.35	0.14	0.20	0.25	0.11	0.25	0.35
1200	26.44	26.93	27.05	0.21	0.29	0.31	2.54	2.27	2.07
1300	19.14	19.71	20.25	0.48	0.55	0.55	0.42	0.57	0.63
1400	28.48	28.45	28.57	0.15	0.24	0.26	0.06	0.23	0.31
1500	30.67	30.66	30.59	0.14	0.24	0.26	0.04	0.22	0.32

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# Surface Mount Low Pass Filter

# SXLP-65+

## Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
0.5	10.59	10.76	10.59
10	10.00	10.06	10.03
15	9.99	10.03	10.02
20	10.07	10.09	10.10
25	10.37	10.40	10.42
30	10.76	10.78	10.80
35	11.15	11.19	11.20
40	11.56	11.59	11.61
41	11.94	11.98	12.00
42	12.30	12.35	12.36
43	12.61	12.66	12.68
44	12.87	12.92	12.93
45	13.08	13.13	13.16
46	13.32	13.38	13.41
47	13.56	13.62	13.65
48	13.84	13.90	13.93
49	14.13	14.19	14.22
50	14.44	14.52	14.54
51	14.76	14.84	14.87
52	15.13	15.21	15.25
53	15.52	15.60	15.63
54	15.95	16.04	16.07
55	16.42	16.51	16.54
56	16.92	17.01	17.04
57	17.45	17.55	17.59
58	18.07	18.17	18.22
59	18.72	18.85	18.90
60	19.46	19.61	19.66
61	20.32	20.48	20.55
62	21.29	21.48	21.56
63	22.32	22.56	22.64
64	23.32	23.58	23.67
65	24.32	24.55	24.68
66	27.38	27.72	27.82
67	29.64	29.99	30.09
68	32.20	32.57	32.62
70	37.17	37.29	37.19
72	38.67	38.37	38.07
73	36.75	36.21	35.91
74	34.59	33.97	33.72
75	31.68	31.10	30.82
76	28.41	27.86	27.61
77	25.26	24.77	24.59
78	22.35	21.94	21.80
80	17.74	17.43	17.33
82	14.39	14.16	14.08
83	13.05	12.80	12.75
84	11.84	11.66	11.57
85	10.78	10.57	10.52
86	9.82	9.68	9.56
87	8.99	8.80	8.69
88	8.06	7.93	7.75
90	6.14	5.92	5.75
92	3.59	3.42	2.99
93	1.34	1.01	0.44

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