

Surface Mount Low Pass Filter

SXLP-36+

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	0.03	0.03	0.04	45.73	45.43	44.77	45.79	45.41	44.82
1.5	0.03	0.03	0.04	36.67	36.84	36.92	36.69	36.88	37.02
4.0	0.05	0.05	0.06	28.49	28.70	28.92	28.48	28.76	29.02
10.0	0.09	0.10	0.12	23.56	23.72	23.91	23.55	23.82	24.08
20.0	0.12	0.13	0.14	36.14	36.22	35.96	41.93	41.57	41.25
21.0	0.12	0.14	0.15	33.63	34.13	34.21	35.95	36.38	36.67
22.0	0.13	0.15	0.16	30.99	31.47	31.75	31.88	32.34	32.75
23.0	0.14	0.16	0.18	28.96	29.39	29.72	29.31	29.83	30.27
24.0	0.16	0.17	0.19	27.58	28.06	28.43	27.71	28.20	28.66
25.0	0.16	0.18	0.20	26.75	27.22	27.62	26.74	27.26	27.74
26.0	0.17	0.18	0.22	26.49	26.96	27.41	26.35	26.89	27.40
27.0	0.18	0.20	0.22	26.77	27.29	27.80	26.54	27.12	27.68
28.0	0.19	0.21	0.24	27.74	28.34	28.91	27.31	27.98	28.63
29.0	0.22	0.23	0.25	29.64	30.37	31.15	28.84	29.72	30.57
30.0	0.23	0.25	0.27	33.02	34.17	35.39	31.42	32.60	33.72
31.0	0.24	0.26	0.29	39.62	42.35	46.40	34.84	36.36	37.65
32.0	0.26	0.27	0.32	40.87	41.10	40.60	35.70	36.33	36.46
33.0	0.28	0.30	0.35	34.36	34.34	33.98	33.02	33.10	32.98
34.0	0.32	0.34	0.39	32.14	32.34	32.28	31.56	31.67	31.68
35.0	0.36	0.38	0.43	33.85	34.45	34.79	32.96	33.22	33.20
36.0	0.41	0.43	0.49	35.21	34.27	33.61	32.66	31.64	30.73
37.0	0.50	0.55	0.60	23.12	22.53	22.09	22.55	21.89	21.36
38.0	0.73	0.79	0.87	15.33	14.96	14.71	15.09	14.71	14.39
39.0	1.27	1.36	1.48	9.77	9.53	9.39	9.63	9.37	9.19
39.2	1.44	1.53	1.68	8.86	8.64	8.52	8.72	8.49	8.34
40.0	2.42	2.55	2.72	5.81	5.67	5.60	5.68	5.55	5.47
41.2	4.88	5.06	5.27	2.89	2.84	2.84	2.80	2.75	2.75
43.0	10.20	10.41	10.63	1.08	1.08	1.12	1.01	1.03	1.07
44.0	13.48	13.69	13.91	0.70	0.71	0.76	0.65	0.67	0.71
45.0	16.81	17.00	17.22	0.51	0.52	0.56	0.45	0.48	0.53
46.0	20.11	20.32	20.54	0.39	0.41	0.44	0.33	0.36	0.41
47.0	23.45	23.65	23.85	0.33	0.34	0.37	0.28	0.31	0.35
48.0	26.71	26.93	27.14	0.28	0.29	0.32	0.23	0.27	0.30
49.0	30.06	30.28	30.50	0.25	0.27	0.29	0.20	0.23	0.27
50.0	33.49	33.71	33.94	0.22	0.23	0.26	0.18	0.21	0.24
51.0	36.97	37.26	37.48	0.21	0.22	0.25	0.17	0.20	0.23
52.0	40.74	40.98	41.26	0.19	0.20	0.22	0.15	0.19	0.22
53.0	44.70	45.09	45.43	0.18	0.19	0.21	0.15	0.18	0.22
54.0	49.28	49.85	50.04	0.17	0.17	0.20	0.13	0.17	0.20
55.0	54.99	55.25	55.76	0.16	0.17	0.19	0.13	0.16	0.20
60.0	61.58	61.38	60.79	0.12	0.14	0.16	0.08	0.11	0.15
70.0	70.97	73.16	74.88	0.12	0.13	0.15	0.10	0.13	0.15
80.0	73.75	73.34	75.43	0.09	0.11	0.12	0.09	0.10	0.12
100.0	77.90	77.34	76.96	0.09	0.12	0.13	0.08	0.09	0.11
200.0	68.41	69.23	70.36	0.12	0.15	0.15	0.09	0.13	0.14
300.0	71.46	69.95	69.83	0.16	0.16	0.22	0.13	0.17	0.16
400.0	61.52	61.87	61.47	0.15	0.21	0.19	0.10	0.15	0.19
500.0	59.92	59.94	59.99	0.18	0.20	0.24	0.13	0.20	0.23
560.0	62.49	62.88	62.42	0.15	0.17	0.21	0.15	0.20	0.25
600.0	70.43	71.13	73.33	0.22	0.25	0.25	0.10	0.20	0.22
700.0	37.15	37.74	38.16	0.24	0.28	0.33	0.33	0.41	0.45
800.0	70.89	68.23	68.97	0.29	0.32	0.32	0.30	0.41	0.47
900.0	19.83	19.88	19.88	1.01	1.14	1.26	1.60	1.62	1.67
1000.0	27.51	27.86	27.86	0.21	0.22	0.25	0.14	0.27	0.31

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Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
0.5	16.72	16.20	16.63
1	16.77	16.39	16.73
2	16.62	16.72	16.63
3	16.70	16.59	16.86
4	16.88	16.87	16.85
5	16.74	16.72	16.64
6	16.87	16.92	16.79
7	16.83	16.76	16.73
8	17.04	16.97	17.13
9	16.96	16.99	17.17
10	17.20	17.32	17.33
11	17.32	17.45	17.42
12	17.44	17.60	17.45
13	17.82	17.80	17.77
14	17.97	17.96	18.09
15	18.40	18.22	18.41
16	18.53	18.64	18.54
17	18.78	18.96	18.94
18	19.33	19.39	19.37
19	19.71	19.69	19.78
20	20.01	20.13	20.09
21	20.56	20.58	20.61
22	20.91	20.96	21.02
23	21.55	21.60	21.58
24	22.13	22.18	22.23
25	22.74	22.80	22.87
26	23.52	23.58	23.63
27	24.26	24.30	24.42
28	25.30	25.26	25.34
29	26.41	26.45	26.47
30	27.22	27.42	27.33
31	29.03	28.96	29.17
32	30.78	30.84	31.10
33	32.73	32.84	33.01
34	34.90	34.92	35.33
35	38.20	38.29	38.64
36	42.17	42.25	42.54
37	47.83	48.17	48.45
38	55.29	55.72	55.93
39	63.18	63.21	63.18
40	67.59	67.18	67.10
41	64.24	63.87	63.09
42	55.72	54.91	54.15
43	45.67	45.00	44.65
44	36.49	36.30	35.75
45	30.23	29.93	30.06
46	25.33	25.60	26.11
47	20.81	21.51	21.50
48	18.65	18.30	18.64
49	16.53	16.64	15.65
50	14.38	14.76	14.40
51	12.37	11.29	11.36
52	9.87	11.25	11.10
53	9.84	8.73	7.53
54	7.53	6.28	4.01

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