

Surface Mount Low Pass Filter

SXLP-23+

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	0.05	50.60	48.66	46.90	50.74	48.69	46.98
5	0.11	0.11	0.12	40.14	40.66	40.95	39.12	40.14	41.08
10	0.16	0.17	0.19	32.07	31.80	31.46	32.29	31.94	31.50
11	0.18	0.19	0.20	28.96	28.86	28.70	29.20	29.04	28.79
12	0.20	0.22	0.24	26.77	26.77	26.71	27.01	26.96	26.84
13	0.24	0.25	0.27	25.27	25.32	25.33	25.55	25.57	25.56
14	0.26	0.29	0.30	24.45	24.55	24.61	24.72	24.82	24.88
15	0.29	0.31	0.33	24.31	24.45	24.54	24.60	24.77	24.91
16	0.28	0.30	0.32	25.02	25.22	25.36	25.34	25.63	25.85
17	0.31	0.33	0.35	27.07	27.31	27.50	27.51	27.94	28.36
18	0.34	0.37	0.39	31.94	32.21	32.44	32.43	33.32	34.24
19	0.38	0.41	0.44	42.33	39.51	37.74	37.18	36.90	36.50
20	0.44	0.47	0.49	30.20	29.63	29.21	28.61	28.23	27.93
21	0.52	0.56	0.59	25.30	25.19	25.08	24.39	24.23	24.10
22	0.61	0.65	0.69	24.49	24.56	24.70	23.69	23.70	23.74
23	0.74	0.78	0.84	29.51	29.84	30.14	30.55	30.93	31.38
24	1.01	1.08	1.15	19.03	18.58	18.13	20.57	19.97	19.41
25	1.92	2.03	2.16	9.33	9.12	8.91	9.75	9.53	9.31
26	4.32	4.49	4.69	4.09	4.02	3.95	4.29	4.21	4.14
27	8.35	8.56	8.79	1.78	1.76	1.77	1.87	1.86	1.86
28	13.16	13.38	13.62	0.87	0.89	0.91	0.94	0.96	0.98
29	18.13	18.38	18.59	0.53	0.54	0.57	0.57	0.58	0.62
30	23.12	23.30	23.57	0.36	0.38	0.40	0.39	0.42	0.44
31	28.09	28.33	28.59	0.28	0.29	0.31	0.30	0.33	0.36
32	33.23	33.48	33.72	0.23	0.25	0.26	0.24	0.27	0.30
33	38.60	38.89	39.16	0.21	0.22	0.23	0.21	0.24	0.27
34	44.49	44.82	45.13	0.17	0.18	0.20	0.19	0.22	0.25
35	51.62	52.10	52.72	0.16	0.17	0.19	0.17	0.20	0.23
36	62.63	63.72	63.88	0.14	0.15	0.16	0.15	0.18	0.21
37	72.09	70.53	69.73	0.12	0.14	0.16	0.13	0.16	0.19
38	63.48	63.16	63.22	0.12	0.13	0.14	0.11	0.14	0.18
39	61.41	61.48	61.90	0.11	0.12	0.14	0.09	0.13	0.16
40	62.18	62.05	61.84	0.09	0.11	0.13	0.08	0.11	0.14
45	77.73	81.76	80.52	0.08	0.10	0.11	0.04	0.08	0.11
50	71.06	69.70	68.78	0.07	0.09	0.10	0.05	0.08	0.12
55	71.64	70.09	69.30	0.07	0.09	0.10	0.03	0.07	0.11
60	74.28	73.76	76.05	0.06	0.08	0.10	0.02	0.06	0.09
65	79.98	80.61	77.13	0.07	0.10	0.12	0.05	0.09	0.12
70	72.71	73.64	69.66	0.07	0.10	0.11	0.07	0.10	0.14
75	67.81	67.19	66.84	0.06	0.10	0.11	0.07	0.11	0.14
80	65.68	64.96	64.15	0.07	0.10	0.12	0.06	0.09	0.13
85	63.60	63.50	63.90	0.09	0.11	0.13	0.06	0.09	0.12
90	62.73	62.23	62.69	0.08	0.11	0.13	0.07	0.10	0.12
95	62.49	62.10	62.41	0.08	0.11	0.13	0.06	0.10	0.13
100	61.45	62.08	61.95	0.09	0.12	0.14	0.06	0.10	0.12
200	75.35	74.76	76.55	0.12	0.15	0.18	0.09	0.14	0.18
300	63.46	64.11	64.64	0.14	0.16	0.19	0.11	0.16	0.21
400	60.59	60.54	60.10	0.15	0.19	0.21	0.12	0.20	0.24
500	59.58	59.62	59.50	0.16	0.20	0.23	0.13	0.22	0.27
600	52.19	52.38	52.32	0.18	0.22	0.25	0.15	0.24	0.31
700	44.30	43.13	42.34	0.23	0.29	0.33	0.68	0.84	0.95
800	24.59	25.08	25.47	0.44	0.47	0.48	0.29	0.39	0.43
900	33.83	33.78	33.82	0.18	0.22	0.25	0.09	0.21	0.29
1000	35.47	35.51	35.58	0.15	0.20	0.24	0.08	0.21	0.29

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Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
0.5	25.81	25.60	25.76
2.0	25.84	25.79	25.90
3.0	25.91	25.95	26.04
3.5	25.93	25.98	26.06
4.0	25.98	25.99	26.02
4.5	26.08	26.20	26.21
5.0	26.28	26.21	26.34
5.5	26.37	26.48	26.48
6.0	26.60	26.66	26.66
6.5	26.73	26.77	26.77
7.0	26.85	26.94	26.96
7.5	27.05	27.20	27.22
8.0	27.27	27.27	27.40
8.5	27.57	27.55	27.65
9.0	27.87	27.91	27.96
9.5	28.18	28.18	28.22
10.0	28.58	28.60	28.58
10.5	28.89	28.89	28.87
11.0	29.21	29.27	29.31
11.5	29.59	29.62	29.62
12.0	30.10	30.14	30.18
12.5	30.47	30.47	30.53
13.0	30.96	31.08	31.17
13.5	31.46	31.52	31.58
14.0	32.10	32.17	32.25
14.5	32.66	32.68	32.78
15.0	33.28	33.40	33.46
15.5	34.02	34.06	34.09
16.0	34.93	35.02	35.10
16.5	35.71	35.85	35.91
17.0	36.83	36.92	36.95
17.5	37.83	37.94	38.00
18.0	39.05	39.17	39.30
18.5	40.35	40.40	40.52
19.0	41.72	41.84	41.96
19.5	43.24	43.27	43.31
20.0	44.54	44.53	44.57
20.5	47.50	47.72	47.93
21.0	49.96	50.12	50.34
21.5	52.21	52.54	52.83
22.0	55.63	55.82	56.30
22.5	59.52	59.89	59.94
23.0	64.76	65.47	66.01
24.0	78.96	79.79	80.44
25.0	95.91	96.37	96.21
26.0	97.49	96.85	96.09
27.0	78.28	77.35	76.66
28.0	57.72	57.44	56.48
29.0	43.59	42.36	43.03
30.0	33.23	33.09	32.58
31.0	27.58	27.27	27.62
32.0	22.68	22.07	20.66
33.0	15.88	16.49	17.07
34.0	15.54	11.07	10.28

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