

Surface Mount Low Pass Filter

SXLP-95+

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	0.01	0.04	47.94	46.62	44.00	47.52	45.74	43.93
1	0.03	0.03	0.05	46.58	44.94	43.66	46.38	44.57	43.49
10	0.10	0.11	0.13	34.24	33.09	32.44	34.28	33.20	32.58
20	0.10	0.13	0.14	33.96	32.88	32.29	33.98	33.35	32.91
30	0.13	0.15	0.18	40.97	38.61	37.08	41.85	42.92	43.21
40	0.18	0.21	0.24	27.66	27.05	26.55	27.80	27.26	26.76
50	0.23	0.26	0.30	22.00	21.69	21.47	22.07	21.71	21.45
60	0.27	0.31	0.35	20.55	20.52	20.55	20.55	20.48	20.44
70	0.29	0.34	0.37	23.79	24.33	24.82	23.60	24.08	24.51
80	0.31	0.37	0.42	31.76	30.77	29.84	30.66	30.18	29.45
90	0.40	0.47	0.53	25.93	25.33	24.99	25.01	24.34	23.90
95	0.45	0.53	0.60	29.22	28.90	28.54	25.34	24.56	24.01
100	0.67	0.79	0.88	15.73	15.42	15.10	15.13	14.75	14.40
104	1.29	1.47	1.61	8.92	8.73	8.52	8.72	8.51	8.30
105	1.58	1.77	1.92	7.66	7.50	7.33	7.48	7.31	7.14
108	2.79	3.02	3.23	4.74	4.65	4.55	4.63	4.55	4.46
110	3.90	4.16	4.39	3.40	3.36	3.30	3.31	3.29	3.23
115	7.44	7.75	8.00	1.54	1.58	1.58	1.49	1.52	1.55
120	11.36	11.64	11.90	0.83	0.87	0.90	0.77	0.84	0.88
130	18.62	18.85	19.08	0.41	0.45	0.48	0.37	0.44	0.49
140	24.90	25.12	25.32	0.30	0.32	0.35	0.25	0.32	0.36
146	28.29	28.50	28.69	0.26	0.29	0.31	0.22	0.29	0.33
150	30.41	30.61	30.80	0.24	0.27	0.29	0.20	0.26	0.30
160	35.25	35.45	35.61	0.22	0.24	0.26	0.19	0.24	0.28
170	39.48	39.66	39.85	0.19	0.22	0.23	0.16	0.21	0.25
180	43.21	43.34	43.52	0.19	0.20	0.21	0.15	0.19	0.23
189	46.42	46.52	46.66	0.16	0.18	0.19	0.12	0.17	0.20
190	46.72	46.76	47.03	0.16	0.17	0.19	0.13	0.17	0.19
200	49.93	49.94	50.08	0.14	0.16	0.18	0.12	0.16	0.19
210	52.48	52.81	52.72	0.13	0.15	0.17	0.11	0.15	0.18
220	54.96	55.04	55.23	0.12	0.14	0.16	0.09	0.14	0.17
230	57.31	57.44	57.57	0.12	0.13	0.15	0.08	0.13	0.16
240	59.67	60.01	59.73	0.10	0.13	0.14	0.08	0.13	0.15
250	61.60	61.56	61.94	0.10	0.12	0.14	0.07	0.12	0.16
300	69.50	69.60	69.52	0.08	0.10	0.11	0.04	0.09	0.13
400	80.88	77.38	81.82	0.06	0.08	0.09	0.02	0.09	0.12
500	91.94	82.50	84.03	0.04	0.06	0.10	0.00	0.07	0.13
600	93.43	97.69	91.29	0.05	0.07	0.11	0.00	0.08	0.13
700	89.50	90.54	82.65	0.05	0.08	0.13	0.02	0.11	0.17
800	87.04	83.34	87.26	0.05	0.09	0.14	0.00	0.11	0.16
900	83.28	89.21	95.85	0.06	0.11	0.15	0.02	0.11	0.18
1000	81.73	82.38	80.95	0.09	0.14	0.18	0.03	0.15	0.21
1100	89.64	88.99	82.97	0.06	0.12	0.18	0.00	0.13	0.20
1200	83.35	77.75	79.82	0.08	0.15	0.20	0.02	0.16	0.24
1300	75.87	74.54	76.28	0.13	0.19	0.24	0.06	0.20	0.27
1400	76.70	78.97	79.46	0.13	0.19	0.25	0.05	0.20	0.28
1500	66.05	67.95	65.90	0.13	0.20	0.25	0.06	0.22	0.30
2000	62.63	63.26	62.98	0.22	0.29	0.37	0.13	0.30	0.41
2500	48.30	49.47	48.96	0.26	0.35	0.45	0.17	0.36	0.48
3000	39.62	47.70	43.58	0.40	0.48	0.57	0.32	0.56	0.68
3500	31.44	31.52	29.18	0.58	0.73	0.88	1.17	1.61	1.66
4000	31.20	31.83	30.95	2.26	2.74	3.17	0.47	0.89	1.08
4500	22.57	24.60	24.58	1.23	1.37	1.59	1.73	1.94	2.45
5000	14.11	17.32	17.34	3.20	3.49	3.69	4.37	3.44	3.62

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Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
0.5	8.12	8.29	7.84
10	7.93	7.99	7.99
12	7.97	8.00	8.01
14	7.96	7.99	8.01
15	8.00	8.02	8.03
18	8.01	8.03	8.05
20	8.04	8.05	8.07
22	8.06	8.07	8.13
24	8.10	8.12	8.17
25	8.12	8.14	8.15
28	8.16	8.18	8.20
30	8.21	8.20	8.23
32	8.28	8.28	8.30
34	8.30	8.34	8.35
35	8.32	8.32	8.35
38	8.40	8.42	8.43
40	8.43	8.45	8.46
42	8.50	8.51	8.53
44	8.58	8.57	8.61
45	8.60	8.62	8.62
48	8.70	8.71	8.73
50	8.77	8.77	8.78
52	8.80	8.82	8.83
54	8.89	8.91	8.93
55	8.95	8.95	9.00
58	9.10	9.10	9.09
60	9.23	9.23	9.22
62	9.30	9.33	9.34
64	9.43	9.47	9.48
65	9.49	9.51	9.59
68	9.75	9.79	9.82
70	9.91	9.95	9.99
72	10.15	10.18	10.18
74	10.33	10.36	10.40
75	10.43	10.47	10.52
78	10.75	10.78	10.81
80	10.99	11.02	11.05
82	11.26	11.28	11.29
84	11.52	11.55	11.59
85	11.68	11.72	11.76
88	12.18	12.24	12.30
90	12.67	12.74	12.80
92	13.19	13.27	13.36
94	13.90	14.00	14.10
95	14.32	14.41	14.53
98	15.75	15.87	15.98
100	16.88	16.98	17.11
110	18.28	18.08	17.91
120	10.66	10.50	10.35
130	6.49	6.42	6.33
150	3.41	3.32	3.32
200	1.18	1.03	1.08
210	0.70	0.91	1.66
220	1.70	2.59	0.81
230	1.43	2.93	2.21

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