

Surface Mount Low Pass Filter

SXLP-10.7+

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	0.05	0.07	0.08	48.55	46.74	45.13	44.61	43.48	42.48
3.0	0.09	0.10	0.11	25.51	25.70	25.67	25.00	25.19	25.17
6.0	0.24	0.25	0.26	16.47	16.48	16.43	16.27	16.30	16.27
11.0	0.35	0.36	0.38	19.12	19.01	18.88	19.09	19.00	18.88
13.0	0.66	0.69	0.71	14.32	14.11	14.14	15.83	15.55	15.66
13.5	1.25	1.31	1.34	8.78	8.57	8.61	9.37	9.15	9.22
14.0	2.64	2.75	2.79	4.75	4.61	4.64	5.03	4.89	4.94
14.5	4.93	5.10	5.14	2.46	2.38	2.41	2.61	2.54	2.58
15.3	9.56	9.76	9.80	0.94	0.93	0.94	1.02	1.01	1.03
17.0	19.11	19.31	19.36	0.30	0.30	0.31	0.32	0.33	0.35
19.0	28.31	28.52	28.58	0.18	0.19	0.20	0.20	0.20	0.22
24.0	45.91	46.13	46.18	0.12	0.12	0.12	0.12	0.12	0.13
40.0	68.27	68.75	68.10	0.07	0.07	0.07	0.08	0.09	0.09
50.0	67.10	66.45	67.30	0.06	0.06	0.07	0.07	0.07	0.08
60.0	67.43	67.81	67.75	0.06	0.07	0.07	0.06	0.08	0.09
70.0	68.65	68.82	68.06	0.06	0.07	0.08	0.06	0.08	0.10
80.0	69.38	69.59	69.50	0.07	0.07	0.07	0.05	0.09	0.10
100.0	71.61	71.11	70.71	0.07	0.07	0.08	0.05	0.09	0.11
200.0	76.31	78.12	76.81	0.07	0.08	0.09	0.06	0.11	0.13
300.0	78.52	82.17	80.17	0.07	0.10	0.11	0.06	0.13	0.16
400.0	81.11	81.81	79.64	0.08	0.11	0.13	0.06	0.15	0.19
500.0	82.51	83.08	80.76	0.09	0.13	0.15	0.06	0.17	0.22
600.0	78.83	78.21	78.70	0.10	0.15	0.18	0.08	0.21	0.27
700.0	75.03	74.03	73.09	0.12	0.18	0.21	0.10	0.25	0.33
800.0	70.83	69.79	68.02	0.15	0.22	0.26	0.15	0.32	0.41
900.0	63.16	65.32	66.19	0.19	0.27	0.31	0.20	0.40	0.51
1000.0	66.39	67.10	67.38	0.25	0.35	0.41	0.29	0.54	0.69
1100.0	63.22	62.58	63.03	0.40	0.53	0.62	0.60	0.98	1.20
1200.0	56.07	55.42	56.72	0.80	1.05	1.20	1.54	1.86	1.93
1300.0	52.18	54.05	55.63	2.00	2.21	2.28	1.77	1.68	1.69
1400.0	57.27	60.61	62.17	1.94	1.81	1.78	1.12	1.31	1.45
1500.0	63.71	65.51	63.45	1.25	1.34	1.41	0.92	1.29	1.53
1600.0	68.05	64.00	67.98	1.23	1.45	1.60	1.00	1.52	1.88
1700.0	66.02	68.81	65.81	1.72	2.14	2.39	1.35	2.08	2.55
1800.0	63.81	78.63	69.50	3.10	3.82	4.17	2.11	3.07	3.57
1900.0	61.90	63.62	61.13	5.52	5.76	5.76	3.45	4.14	4.30
2000.0	59.00	59.40	58.64	5.21	4.59	4.37	4.46	4.14	3.92
2100.0	55.90	54.68	55.71	3.27	2.96	2.87	3.66	3.22	3.05
2200.0	54.28	54.90	55.72	2.17	2.07	2.07	2.57	2.42	2.42
2300.0	49.48	48.93	49.42	1.62	1.63	1.67	1.85	1.93	2.01
2400.0	45.11	45.27	47.17	1.36	1.44	1.46	1.48	1.71	1.80
2500.0	39.20	46.63	41.98	1.26	1.30	1.36	1.33	1.55	1.75
2600.0	41.91	47.47	45.58	1.14	1.23	1.32	1.24	1.54	1.72
2700.0	41.12	42.71	44.02	1.14	1.29	1.37	1.24	1.65	1.79
2800.0	42.68	53.30	43.59	1.28	1.41	1.51	1.37	1.77	2.14
2900.0	45.58	47.60	43.88	1.41	1.68	1.74	1.50	2.02	2.26
3000.0	40.91	42.37	39.47	1.87	2.14	2.27	1.91	2.48	2.82
3100.0	39.81	37.06	41.03	2.56	3.07	3.14	2.33	3.10	3.47
3500.0	32.94	36.91	35.84	4.93	5.22	5.33	8.05	9.30	9.56
4000.0	32.15	34.89	35.07	3.47	3.82	4.04	9.19	8.74	8.99
4500.0	21.37	22.28	24.69	7.33	8.48	8.90	6.29	6.36	6.60
5000.0	22.91	20.96	19.78	13.48	12.19	12.67	6.90	7.54	7.63
5500.0	19.61	19.55	19.38	14.05	13.58	14.23	10.04	11.63	12.01
6000.0	24.35	22.15	23.14	10.21	10.00	10.04	28.69	29.15	25.65

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Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
0.5	61.99	62.07	61.92
1.0	61.93	62.03	61.95
1.5	61.97	62.09	62.07
2.0	62.20	62.32	62.31
2.5	62.52	62.65	62.65
3.0	62.77	62.91	62.92
3.5	63.09	63.23	63.27
4.0	63.48	63.62	63.66
4.5	63.95	64.10	64.15
5.0	64.51	64.66	64.69
5.5	65.16	65.30	65.33
6.0	65.95	66.11	66.14
6.5	66.93	67.07	67.09
7.0	68.10	68.29	68.32
7.5	69.57	69.75	69.78
8.0	71.27	71.48	71.50
8.5	73.26	73.48	73.51
9.0	75.50	75.75	75.78
9.5	78.12	78.38	78.42
10.0	81.26	81.56	81.61
10.5	84.81	85.16	85.18
11.0	88.34	88.77	88.82
11.5	91.84	92.38	92.34
12.0	95.39	95.92	95.93
12.1	98.89	99.52	99.54
12.2	102.32	103.06	103.03
12.3	105.83	106.69	106.69
12.4	109.32	110.17	110.14
12.5	112.36	113.33	113.30
12.6	115.37	116.36	116.36
12.7	118.50	119.56	119.60
12.8	121.82	122.92	123.03
12.9	125.14	126.34	126.42
13.0	128.60	129.74	129.80
14.0	145.00	145.02	145.11
14.2	140.54	140.18	140.13
14.3	137.13	136.56	136.50
14.4	133.34	132.65	132.63
14.5	128.90	128.09	128.06
14.6	124.32	123.39	123.24
14.8	114.41	113.31	113.21
15.0	104.55	103.32	103.26
16.0	65.45	64.72	64.55
17.0	44.84	44.32	44.18
18.0	33.51	33.17	33.18
19.0	26.42	25.99	26.14
20.0	21.74	21.30	21.50
21.0	18.16	17.83	18.39
22.0	15.14	15.24	15.37
23.0	13.44	12.87	14.13
24.0	12.51	12.16	11.86
25.0	9.28	9.50	8.83
26.0	7.20	9.66	10.24
27.0	6.06	11.54	7.87
28.0	7.73	7.76	1.48

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