

Surface Mount Low Pass Filter

SXLP-8+

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	0.07	0.09	0.10	40.75	39.65	38.50	40.40	39.20	38.00
5.0	0.22	0.23	0.25	21.12	21.09	21.08	21.02	21.03	21.04
6.0	0.23	0.25	0.27	23.71	23.57	23.44	23.68	23.54	23.44
7.0	0.27	0.29	0.31	33.03	32.63	32.30	34.47	33.96	33.69
8.0	0.38	0.39	0.42	25.96	25.61	25.51	26.18	25.77	25.65
8.8	1.07	1.10	1.14	9.75	9.64	9.65	9.67	9.57	9.59
9.2	2.40	2.46	2.50	5.20	5.14	5.16	5.15	5.09	5.12
9.5	4.08	4.16	4.21	3.09	3.05	3.07	3.04	3.02	3.04
10.0	7.87	7.98	8.03	1.32	1.31	1.33	1.28	1.29	1.32
10.8	14.58	14.70	14.75	0.48	0.49	0.50	0.47	0.48	0.50
12.5	27.16	27.28	27.33	0.21	0.21	0.22	0.20	0.21	0.23
14.0	36.54	36.68	36.73	0.16	0.16	0.17	0.15	0.16	0.17
15.0	42.36	42.49	42.56	0.14	0.14	0.15	0.14	0.14	0.15
16.0	48.13	48.23	48.35	0.13	0.13	0.13	0.12	0.13	0.14
16.5	51.10	51.23	51.30	0.12	0.12	0.13	0.11	0.12	0.13
18.0	61.23	61.55	61.82	0.11	0.11	0.11	0.10	0.10	0.11
19.0	70.95	72.82	72.26	0.10	0.10	0.10	0.10	0.10	0.10
20.0	77.56	79.06	78.31	0.09	0.09	0.09	0.09	0.09	0.10
30.0	65.81	65.99	66.22	0.06	0.06	0.07	0.06	0.06	0.06
40.0	68.75	68.94	68.47	0.05	0.06	0.06	0.05	0.05	0.06
50.0	70.07	70.87	71.66	0.05	0.06	0.06	0.04	0.05	0.06
60.0	72.56	72.46	72.64	0.05	0.06	0.06	0.03	0.05	0.06
70.0	74.86	75.37	73.55	0.06	0.06	0.07	0.04	0.06	0.07
80.0	76.15	77.63	74.89	0.06	0.06	0.07	0.03	0.06	0.08
90.0	76.08	76.66	76.16	0.06	0.07	0.08	0.03	0.05	0.07
100.0	76.92	77.20	77.47	0.06	0.07	0.08	0.03	0.06	0.08
200.0	82.61	83.26	81.21	0.07	0.10	0.12	0.03	0.07	0.10
300.0	84.08	85.11	82.87	0.08	0.12	0.14	0.04	0.09	0.12
400.0	84.09	83.74	86.97	0.09	0.15	0.18	0.04	0.11	0.14
500.0	81.55	82.01	82.27	0.10	0.17	0.22	0.04	0.13	0.17
600.0	78.95	78.13	76.34	0.13	0.21	0.27	0.06	0.15	0.21
700.0	73.74	75.82	76.18	0.17	0.28	0.36	0.08	0.20	0.26
800.0	68.31	66.67	66.23	0.25	0.41	0.55	0.16	0.31	0.39
900.0	53.93	54.35	55.69	0.57	0.83	0.98	0.52	0.67	0.76
1000.0	48.65	52.75	55.35	0.97	0.93	0.97	1.07	1.25	1.32
1100.0	60.01	62.50	66.49	0.64	0.83	1.04	0.68	0.79	0.88
1200.0	69.42	72.41	69.53	0.72	1.10	1.45	0.57	0.79	0.96
1300.0	71.44	71.74	72.08	1.17	1.79	2.33	0.92	1.30	1.55
1400.0	64.28	66.88	62.63	2.31	2.97	3.17	2.05	2.53	2.80
1500.0	57.69	59.76	60.74	3.53	3.09	2.71	3.03	2.97	2.91
2000.0	57.88	58.82	58.10	1.00	1.15	1.27	0.84	1.07	1.20
2500.0	46.10	43.41	45.04	1.47	1.69	1.89	0.64	0.90	1.11
3000.0	36.42	37.97	38.17	5.00	6.08	6.86	1.36	1.88	2.15
3500.0	38.02	39.52	34.65	4.05	3.95	4.07	8.85	8.70	8.78
4000.0	30.66	29.33	31.21	2.74	3.13	3.29	2.98	3.32	3.50
4500.0	24.00	23.25	25.69	5.79	6.65	6.68	5.46	7.03	6.49
5000.0	25.94	23.48	28.10	8.83	10.90	10.11	10.92	11.87	11.07
5500.0	20.49	22.84	22.17	20.43	17.80	17.75	11.69	9.54	13.82
6000.0	17.13	20.71	21.02	13.32	12.45	13.41	9.08	8.76	9.66
6500.0	17.97	20.51	18.48	14.89	15.86	17.67	6.88	6.73	6.92
7000.0	28.55	29.47	29.55	11.14	10.96	12.02	5.40	5.78	5.78
7500.0	33.72	27.12	28.69	12.27	11.94	11.80	5.97	7.38	8.16
8000.0	23.46	26.36	24.21	8.34	8.40	9.15	12.53	16.28	19.57
8500.0	25.77	25.74	25.32	7.88	7.98	7.53	11.69	12.64	13.89

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Surface Mount Low Pass Filter

SXLP-8+

Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
0.5	91.92	92.14	92.23
1.0	91.84	92.02	92.05
1.5	92.14	92.29	92.35
2.0	92.85	93.01	93.08
2.5	93.94	94.10	94.17
3.0	95.49	95.65	95.73
3.5	96.99	97.14	97.22
4.0	98.96	99.11	99.17
4.5	101.55	101.71	101.80
5.0	104.91	105.11	105.19
5.5	109.44	109.67	109.76
6.0	114.95	115.17	115.29
6.5	120.76	121.04	121.18
7.0	127.00	127.33	127.45
7.5	133.59	133.95	134.11
8.0	140.45	140.90	141.05
8.1	147.75	148.16	148.33
8.2	155.09	155.62	155.84
8.3	162.56	163.11	163.31
8.4	169.91	170.54	170.70
8.5	176.71	177.39	177.50
8.6	182.52	183.22	183.34
8.7	187.33	188.03	188.11
8.8	191.54	192.17	192.22
8.9	194.87	195.43	195.48
9.0	197.18	197.60	197.59
9.1	198.25	198.55	198.56
9.2	197.87	198.21	198.10
9.3	196.23	196.39	196.21
9.4	193.26	193.18	193.07
9.5	188.77	188.57	188.46
9.6	183.26	182.95	182.84
9.7	176.70	176.33	176.12
9.8	169.29	168.78	168.62
9.9	161.47	160.92	160.76
10.0	153.22	152.61	152.41
10.1	144.83	144.27	144.11
10.2	136.77	136.17	136.00
10.3	129.03	128.39	128.27
10.4	121.39	120.76	120.65
10.5	114.25	113.76	113.55
10.6	107.68	107.19	107.01
10.7	101.56	101.04	100.87
10.8	95.92	95.42	95.31
10.9	90.70	90.29	90.14
11.0	85.88	85.50	85.31
11.5	67.26	66.96	66.73
12.0	54.75	54.27	54.26
13.0	38.92	38.81	38.70
14.0	29.55	29.28	29.42
15.0	22.82	23.58	23.03
16.0	18.53	17.98	18.45
17.0	13.48	14.89	11.89
18.0	8.88	6.67	8.98

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