

Surface Mount Low Pass Filter

SXLP-5+

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	0.12	0.16	0.18	24.67	24.53	24.43	24.72	24.63	24.47
1.0	0.16	0.20	0.23	20.19	20.13	20.03	20.22	20.16	20.04
3.0	0.25	0.27	0.30	33.18	33.31	33.42	33.34	33.32	33.18
5.0	0.52	0.56	0.60	21.63	21.78	21.99	21.50	21.71	21.97
5.6	0.80	0.88	0.93	17.31	17.04	16.79	17.25	16.99	16.75
5.8	1.33	1.43	1.50	10.21	10.08	9.98	10.21	10.11	10.00
6.0	2.46	2.58	2.70	5.87	5.81	5.78	5.87	5.82	5.79
6.2	4.35	4.48	4.63	3.29	3.27	3.29	3.26	3.26	3.27
6.5	8.13	8.28	8.42	1.45	1.47	1.51	1.42	1.45	1.47
7.2	17.46	17.61	17.72	0.44	0.47	0.50	0.41	0.45	0.48
8.0	26.53	26.67	26.77	0.26	0.28	0.29	0.25	0.28	0.29
11.0	50.82	50.93	51.01	0.14	0.14	0.15	0.15	0.16	0.15
12.0	57.11	57.26	57.32	0.11	0.11	0.13	0.12	0.13	0.13
13.0	63.27	63.33	63.42	0.10	0.10	0.12	0.09	0.11	0.10
14.0	69.34	68.88	68.89	0.09	0.10	0.10	0.09	0.11	0.09
15.0	74.19	74.79	75.99	0.09	0.09	0.10	0.07	0.08	0.08
20.0	101.93	87.00	79.73	0.04	0.04	0.05	0.04	0.04	0.04
30.0	84.65	84.08	86.00	0.03	0.03	0.04	0.02	0.03	0.03
40.0	87.19	92.83	86.16	0.03	0.03	0.04	0.01	0.02	0.02
50.0	94.32	101.62	96.34	0.03	0.03	0.04	0.02	0.04	0.05
60.0	91.83	88.63	87.85	0.03	0.03	0.04	0.01	0.04	0.04
70.0	104.70	89.04	95.16	0.02	0.03	0.03	0.00	0.03	0.04
80.0	87.91	103.86	90.01	0.02	0.03	0.04	0.00	0.03	0.05
90.0	99.55	86.02	85.77	0.02	0.03	0.04	0.00	0.04	0.06
100.0	90.58	93.84	87.66	0.03	0.04	0.05	0.01	0.04	0.06
200.0	105.17	87.52	96.30	0.03	0.06	0.06	0.01	0.07	0.10
300.0	70.02	75.43	77.20	0.03	0.06	0.10	0.02	0.09	0.14
400.0	75.17	78.34	79.22	0.04	0.09	0.12	0.01	0.11	0.17
500.0	87.10	92.12	88.18	0.07	0.14	0.20	0.05	0.17	0.26
600.0	73.34	69.96	67.59	0.19	0.34	0.49	0.20	0.47	0.73
700.0	53.98	58.64	60.95	1.86	1.16	0.98	0.67	0.73	0.90
800.0	58.45	54.95	53.30	0.37	0.54	0.71	0.74	1.50	2.26
900.0	44.13	44.66	45.59	0.73	1.34	1.91	4.74	3.30	2.55
1000.0	43.10	45.85	48.05	4.79	4.25	3.29	0.80	0.82	0.89
1100.0	52.29	55.24	56.87	1.36	1.13	1.09	0.36	0.53	0.66
1200.0	58.41	59.26	60.37	0.56	0.61	0.68	0.30	0.52	0.67
1300.0	60.73	61.74	62.48	0.45	0.57	0.65	0.37	0.63	0.84
1400.0	60.94	59.80	62.44	0.51	0.69	0.82	0.75	1.24	1.53
1500.0	58.23	57.16	57.38	0.96	1.32	1.45	2.07	2.02	2.06
1600.0	50.41	53.50	54.19	1.49	1.44	1.52	1.13	1.36	1.60
1700.0	51.47	50.05	49.61	1.17	1.56	1.75	1.26	1.90	2.26
1800.0	41.37	43.16	45.80	2.27	3.07	3.34	3.00	3.85	4.01
1900.0	53.17	59.23	67.60	5.01	4.92	4.69	3.61	3.02	3.00
2000.0	65.69	62.93	62.43	3.34	2.74	2.69	1.65	1.66	1.80
2100.0	56.61	58.91	57.45	1.73	1.62	1.72	1.06	1.26	1.43
2200.0	58.08	55.16	56.48	1.17	1.26	1.35	0.87	1.16	1.38
2300.0	50.13	51.14	49.22	1.08	1.22	1.38	0.92	1.31	1.52
2400.0	58.03	49.81	59.10	1.14	1.44	1.56	1.29	1.84	2.07
2500.0	47.47	47.84	48.27	1.64	2.16	2.29	2.27	3.02	3.19
2600.0	47.88	46.26	49.98	2.78	3.12	3.19	3.25	3.26	3.36
2700.0	42.41	45.18	43.72	2.82	2.61	2.75	2.45	2.53	2.74
2800.0	46.87	49.11	46.34	2.06	2.10	2.28	1.92	2.32	2.60
2900.0	45.71	54.69	48.91	1.75	2.01	2.16	2.24	2.98	3.19
3000.0	48.32	57.50	42.57	2.10	2.58	2.78	3.30	3.91	4.18

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Surface Mount Low Pass Filter

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Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
0.5	143.29	143.44	143.98
0.6	143.95	143.95	144.22
0.7	143.61	143.65	143.19
0.8	143.63	143.89	144.44
0.9	143.92	143.97	143.47
1.0	144.00	143.83	144.01
1.1	143.45	143.51	143.79
1.2	144.68	144.22	145.46
1.3	144.77	144.08	143.39
1.4	144.80	144.19	145.13
1.5	145.14	144.73	145.18
1.6	145.64	145.61	145.82
1.7	145.85	146.39	146.65
1.8	147.07	146.57	148.17
1.9	147.61	147.64	148.66
2.0	148.47	148.27	149.22
2.1	149.50	148.84	149.61
2.2	150.57	149.24	149.98
2.3	150.95	150.95	151.35
2.4	152.40	151.73	152.05
2.5	153.28	153.24	153.41
2.6	154.28	154.00	154.66
2.7	155.12	155.57	155.76
2.8	156.93	156.48	156.94
2.9	157.91	157.94	158.46
3.0	158.70	158.58	158.97
3.1	160.57	160.33	160.84
3.2	161.74	161.28	161.93
3.3	162.70	162.56	162.76
3.4	164.61	163.80	164.36
3.5	166.58	165.80	166.51
3.6	168.06	167.77	168.05
3.7	170.10	169.66	170.34
3.8	172.32	171.63	172.64
3.9	174.46	174.48	174.75
4.0	176.89	177.07	177.55
4.1	179.32	179.16	180.04
4.2	182.15	181.64	182.86
4.3	185.26	185.28	185.88
4.4	188.43	188.29	189.16
4.5	191.80	191.24	192.21
4.6	195.34	194.39	195.90
4.7	200.08	199.34	200.31
4.8	204.48	203.93	204.91
4.9	209.64	208.88	210.28
5.0	216.61	215.56	216.88
6.0	329.08	329.56	328.06
7.0	147.23	148.2	146.47
8.0	71.65	72.32	71.04
9.0	44.61	45.2	44.86
10.0	30.57	30.11	30.29
11.0	25.09	24.82	25.61
12.0	19.69	18.21	18.83
13.0	15.69	8.47	14.25
14.0	14.46	16.42	13.47

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