

Surface Mount Low Pass Filter

SXLP-190+

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
1	0.00	0.02	0.02	60.10	55.87	52.78	58.94	54.72	52.32
10	0.03	0.05	0.05	38.21	38.81	38.97	38.21	39.41	40.45
20	0.05	0.07	0.08	31.40	31.67	31.65	31.33	32.22	32.84
50	0.12	0.16	0.17	22.28	21.93	21.61	22.53	22.20	21.88
100	0.26	0.31	0.34	16.92	16.98	17.10	16.94	16.98	17.08
120	0.26	0.32	0.35	18.97	19.04	19.16	18.75	18.89	19.06
130	0.24	0.31	0.35	21.96	21.96	22.13	21.65	21.78	22.07
140	0.25	0.32	0.36	28.06	27.94	28.13	27.64	27.95	28.55
150	0.27	0.35	0.39	31.83	30.91	29.90	33.26	32.85	31.82
160	0.31	0.40	0.45	24.22	23.74	23.17	24.74	24.24	23.62
170	0.36	0.46	0.51	21.48	21.16	20.76	21.74	21.38	20.93
180	0.39	0.50	0.56	23.59	23.46	23.25	23.60	23.38	23.06
190	0.46	0.58	0.66	29.02	28.32	27.68	26.69	25.90	25.21
200	0.86	1.05	1.18	12.36	12.05	11.74	12.22	11.90	11.56
210	2.38	2.67	2.90	5.47	5.37	5.24	5.43	5.32	5.17
220	5.45	5.81	6.11	2.33	2.36	2.36	2.30	2.33	2.31
230	9.37	9.72	10.02	1.11	1.18	1.22	1.07	1.15	1.19
240	13.36	13.69	13.96	0.65	0.72	0.77	0.61	0.70	0.75
250	17.15	17.45	17.70	0.45	0.52	0.57	0.41	0.50	0.55
260	20.70	20.98	21.22	0.36	0.42	0.47	0.31	0.40	0.45
270	24.01	24.27	24.50	0.30	0.36	0.41	0.26	0.34	0.39
280	27.13	27.38	27.59	0.27	0.32	0.37	0.22	0.30	0.35
290	30.07	30.30	30.51	0.25	0.29	0.34	0.19	0.28	0.33
300	32.87	33.09	33.28	0.23	0.27	0.32	0.17	0.25	0.29
310	35.54	35.76	35.91	0.21	0.26	0.30	0.15	0.24	0.28
320	38.15	38.29	38.55	0.20	0.24	0.28	0.14	0.23	0.27
330	40.56	40.74	40.97	0.19	0.23	0.26	0.13	0.21	0.26
340	42.94	43.08	43.29	0.17	0.22	0.25	0.12	0.20	0.24
350	45.27	45.38	45.61	0.17	0.21	0.24	0.10	0.18	0.23
360	47.46	47.55	47.84	0.16	0.20	0.23	0.10	0.18	0.23
370	49.69	49.80	50.00	0.15	0.19	0.22	0.09	0.17	0.21
380	51.86	52.04	52.14	0.15	0.18	0.22	0.08	0.16	0.21
390	53.87	54.31	54.28	0.14	0.17	0.21	0.07	0.15	0.20
400	55.87	56.34	56.26	0.13	0.17	0.21	0.07	0.15	0.19
500	77.28	77.07	76.57	0.09	0.13	0.16	0.03	0.12	0.17
600	91.90	92.73	99.84	0.07	0.11	0.15	0.00	0.10	0.16
700	90.21	90.21	90.26	0.07	0.11	0.15	0.01	0.10	0.16
800	90.37	91.79	87.55	0.06	0.11	0.16	0.02	0.11	0.18
900	99.95	93.27	91.31	0.06	0.11	0.16	0.02	0.12	0.19
1000	90.16	87.95	90.52	0.06	0.12	0.17	0.02	0.13	0.21
1100	86.79	82.17	86.01	0.07	0.13	0.18	0.02	0.14	0.23
1200	78.38	85.17	83.86	0.08	0.14	0.20	0.01	0.15	0.25
1300	80.42	83.25	82.00	0.08	0.14	0.21	0.01	0.17	0.27
1400	77.06	81.22	82.63	0.09	0.16	0.22	0.00	0.18	0.28
1500	70.62	71.56	86.52	0.10	0.17	0.23	0.00	0.20	0.30
1600	67.83	74.11	80.35	0.11	0.18	0.24	0.02	0.21	0.32
1700	80.34	68.21	75.68	0.11	0.19	0.25	0.02	0.22	0.34
1800	71.63	64.13	79.48	0.13	0.21	0.27	0.03	0.23	0.36
1900	59.47	67.53	67.93	0.13	0.21	0.28	0.05	0.25	0.38
2000	64.71	66.63	65.81	0.14	0.23	0.29	0.04	0.26	0.40
3000	44.14	41.60	52.66	0.36	0.51	0.49	0.09	0.40	0.59
4000	30.27	33.49	29.65	0.70	0.85	1.11	0.37	0.91	1.25
5000	18.10	18.11	13.12	2.51	2.65	3.55	1.62	2.48	4.70
6000	16.38	15.86	17.22	2.90	3.51	3.27	1.90	3.26	3.16

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Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
0.5	4.23	4.30	4.45
1	4.23	4.28	4.38
5	4.20	4.23	4.28
10	4.18	4.20	4.23
15	4.17	4.18	4.19
20	4.17	4.17	4.18
25	4.17	4.18	4.19
30	4.18	4.19	4.20
35	4.19	4.19	4.20
40	4.20	4.21	4.21
45	4.22	4.22	4.23
50	4.23	4.23	4.24
55	4.25	4.25	4.26
60	4.27	4.27	4.27
65	4.29	4.29	4.29
70	4.31	4.31	4.31
75	4.33	4.33	4.34
80	4.37	4.37	4.37
85	4.39	4.39	4.40
90	4.43	4.43	4.44
95	4.47	4.47	4.48
100	4.51	4.52	4.53
110	4.64	4.64	4.65
120	4.79	4.80	4.81
130	4.99	5.00	5.01
140	5.21	5.22	5.24
150	5.46	5.47	5.49
160	5.75	5.76	5.79
170	6.15	6.17	6.19
180	6.65	6.68	6.72
190	7.84	7.90	7.96
200	9.47	9.51	9.58
210	10.04	9.91	9.83
220	8.53	8.36	8.18
230	6.38	6.26	6.13
240	4.78	4.71	4.64
250	3.76	3.71	3.67
260	3.06	3.04	3.02
270	2.62	2.59	2.57
280	2.28	2.24	2.24
290	2.02	1.99	1.97
300	1.80	1.79	1.80
310	1.65	1.64	1.76
320	1.50	1.49	1.30
330	1.40	1.34	1.39
340	1.22	1.26	1.40
350	1.21	1.30	1.12
360	1.19	1.30	1.21
370	0.98	1.65	1.05
380	1.05	0.62	0.89
390	1.06	0.61	0.97
400	0.92	0.65	0.65
450	0.66	0.66	0.70

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