

# Surface Mount Low Pass Filter

# SXLP-700+

## 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	0.01	0.01	0.02	69.85	65.03	64.16	68.90	81.85	68.47
10	0.02	0.02	0.03	52.29	54.57	52.05	50.74	54.08	53.59
20	0.02	0.03	0.04	46.65	47.50	46.37	44.40	47.32	50.69
30	0.03	0.05	0.06	43.39	43.17	42.52	41.20	43.43	48.54
40	0.04	0.06	0.07	40.95	40.44	39.43	38.57	40.24	42.75
50	0.04	0.06	0.08	38.87	38.11	36.37	36.90	38.06	38.34
60	0.05	0.07	0.09	37.49	36.08	34.31	35.92	36.15	35.41
70	0.06	0.08	0.09	36.82	34.49	33.11	35.66	34.55	33.69
80	0.06	0.09	0.10	35.67	32.98	31.93	35.10	33.04	32.15
90	0.06	0.09	0.11	33.83	31.65	30.54	33.78	31.68	30.50
100	0.07	0.10	0.12	31.91	30.42	29.14	32.01	30.39	28.95
110	0.08	0.11	0.13	30.37	29.23	28.06	30.62	29.28	27.95
120	0.08	0.11	0.14	29.32	28.15	27.35	29.59	28.24	27.32
130	0.09	0.12	0.15	28.33	27.10	26.54	28.56	27.24	26.65
140	0.09	0.13	0.15	27.23	26.12	25.50	27.42	26.32	25.72
150	0.10	0.14	0.16	26.19	25.21	24.42	26.34	25.44	24.70
160	0.10	0.15	0.18	25.40	24.39	23.52	25.52	24.62	23.85
170	0.11	0.16	0.18	24.74	23.60	22.77	24.83	23.82	23.09
180	0.11	0.17	0.20	24.03	22.86	22.03	24.13	23.07	22.33
190	0.13	0.18	0.21	23.25	22.13	21.30	23.35	22.34	21.57
200	0.13	0.19	0.22	22.48	21.45	20.65	22.64	21.68	20.94
220	0.15	0.21	0.25	21.15	20.24	19.68	21.24	20.41	19.91
230	0.16	0.22	0.26	20.38	19.65	19.11	20.50	19.85	19.37
240	0.17	0.23	0.27	19.66	19.12	18.60	19.78	19.33	18.87
250	0.18	0.24	0.28	19.11	18.65	18.22	19.22	18.85	18.48
260	0.19	0.26	0.29	18.66	18.19	17.91	18.76	18.38	18.17
270	0.21	0.27	0.31	18.20	17.75	17.54	18.32	17.96	17.81
280	0.21	0.28	0.32	17.69	17.34	17.10	17.81	17.54	17.37
290	0.22	0.29	0.33	17.21	16.98	16.69	17.35	17.19	16.97
300	0.23	0.30	0.34	16.85	16.67	16.42	16.99	16.87	16.68
400	0.30	0.38	0.42	15.48	15.79	16.02	15.51	15.89	16.16
500	0.25	0.35	0.39	22.09	23.17	24.03	22.21	23.72	24.99
600	0.43	0.58	0.66	15.23	14.67	14.26	15.59	15.12	14.75
700	0.63	0.77	0.85	13.75	14.41	14.93	13.74	14.41	14.87
720	0.57	0.74	0.83	19.26	21.39	23.91	18.59	19.93	21.11
760	1.20	1.58	1.84	10.76	9.77	8.99	10.38	9.47	8.75
770	1.79	2.24	2.57	7.57	6.95	6.44	7.37	6.81	6.34
800	4.91	5.52	5.95	2.71	2.62	2.48	2.66	2.61	2.52
850	12.03	12.58	13.00	0.70	0.77	0.78	0.67	0.79	0.85
900	18.74	19.22	19.56	0.32	0.41	0.44	0.29	0.43	0.50
1000	30.24	30.66	30.90	0.17	0.25	0.29	0.11	0.27	0.33
1100	40.43	40.67	41.06	0.12	0.21	0.25	0.05	0.22	0.29
1200	50.56	50.73	51.15	0.10	0.20	0.23	0.03	0.21	0.28
1300	60.61	60.09	61.13	0.09	0.19	0.23	0.02	0.21	0.29
1400	72.37	73.60	73.57	0.09	0.20	0.23	0.01	0.21	0.30
1500	91.50	93.62	93.54	0.09	0.20	0.24	0.01	0.22	0.31
1600	89.72	83.30	87.27	0.10	0.21	0.25	0.02	0.23	0.33
1700	96.72	95.90	94.27	0.10	0.22	0.27	0.03	0.25	0.35
1800	85.20	83.70	82.99	0.10	0.23	0.26	0.04	0.26	0.37
1900	77.83	80.10	80.19	0.11	0.23	0.27	0.04	0.27	0.38
2000	77.70	78.86	75.31	0.11	0.24	0.27	0.04	0.28	0.39
3000	49.29	46.35	45.97	0.22	0.38	0.40	0.09	0.42	0.56
4000	29.84	34.86	31.29	0.44	0.76	1.09	0.26	0.67	1.01
5000	31.08	28.65	20.48	2.64	2.55	2.93	2.38	4.40	6.13

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# Surface Mount Low Pass Filter

# SXLP-700+

## Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
0.5	0.70	0.60	0.54
10	1.14	1.12	1.10
20	1.26	1.25	1.25
30	1.33	1.33	1.34
40	1.33	1.33	1.34
50	1.33	1.33	1.34
60	1.33	1.33	1.33
70	1.33	1.33	1.34
80	1.33	1.33	1.34
100	1.34	1.33	1.34
120	1.34	1.34	1.34
130	1.34	1.34	1.34
140	1.34	1.34	1.34
150	1.35	1.34	1.35
160	1.35	1.34	1.35
170	1.35	1.35	1.35
180	1.36	1.35	1.35
200	1.36	1.35	1.36
220	1.37	1.36	1.37
230	1.37	1.36	1.37
240	1.38	1.37	1.37
250	1.38	1.37	1.38
260	1.39	1.38	1.38
270	1.39	1.38	1.38
280	1.39	1.38	1.39
300	1.40	1.39	1.40
320	1.41	1.40	1.41
330	1.42	1.41	1.42
340	1.42	1.42	1.42
350	1.43	1.42	1.43
360	1.44	1.43	1.44
370	1.45	1.44	1.45
380	1.46	1.45	1.46
400	1.47	1.47	1.48
420	1.50	1.50	1.50
430	1.51	1.51	1.52
440	1.53	1.53	1.54
450	1.55	1.55	1.55
460	1.57	1.56	1.57
470	1.59	1.58	1.59
480	1.61	1.61	1.61
500	1.65	1.65	1.66
520	1.70	1.70	1.71
540	1.75	1.74	1.75
550	1.77	1.76	1.77
560	1.79	1.78	1.79
580	1.84	1.83	1.83
600	1.88	1.87	1.87
700	2.42	2.46	2.50
800	3.04	2.92	2.82
900	1.28	1.25	1.24
1000	0.85	0.80	0.83
1100	0.67	0.64	0.65
1200	0.57	0.67	0.59
1300	0.37	1.01	0.55

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