

# Surface Mount Low Pass Filter

# SXLP-400+

## Typical Performance Data

FREQ. (MHz)	INSERTION LOSS (dB)			INPUT RETURN LOSS (dB)			OUTPUT RETURNLOSS (dB)		
	@ -40° C	@ +25° C	@ +85° C	@ -40° C	@ +25° C	@ +85° C	@ -40° C	@ +25° C	@ +85° C
0.5	0.03	0.03	0.04	51.60	48.87	47.83	48.98	47.06	45.79
10	0.04	0.05	0.05	44.34	41.84	39.93	46.09	42.41	39.91
20	0.05	0.07	0.07	39.64	37.74	35.94	42.28	38.43	35.69
26	0.06	0.08	0.08	37.78	36.28	34.61	39.88	36.58	33.96
30	0.07	0.08	0.09	36.73	35.57	34.05	38.57	35.68	33.18
40	0.08	0.10	0.10	34.13	33.97	33.20	35.41	33.72	31.67
50	0.09	0.11	0.11	32.14	32.93	33.16	32.92	32.38	30.98
100	0.13	0.15	0.17	29.91	35.08	43.30	29.28	34.23	42.12
150	0.16	0.20	0.22	38.76	34.04	30.33	37.14	33.95	30.43
200	0.22	0.28	0.32	23.17	21.50	20.39	23.27	21.54	20.36
220	0.26	0.33	0.37	19.91	18.99	18.18	20.02	19.04	18.22
250	0.34	0.40	0.44	16.43	16.55	16.40	16.53	16.61	16.44
300	0.43	0.48	0.50	14.94	15.83	16.56	15.01	15.91	16.66
350	0.40	0.49	0.54	20.10	21.39	22.46	20.18	21.43	22.59
360	0.40	0.51	0.56	22.34	23.88	25.02	22.34	23.76	24.93
400	0.55	0.70	0.79	27.73	26.38	25.57	29.80	28.35	27.16
422	1.21	1.51	1.73	10.78	10.11	9.52	10.97	10.31	9.68
448	6.45	7.06	7.57	2.22	2.24	2.18	2.25	2.26	2.20
464	12.37	12.95	13.47	0.97	1.08	1.13	0.98	1.08	1.12
470	14.76	15.32	15.82	0.78	0.90	0.96	0.79	0.90	0.95
500	27.37	27.90	28.33	0.45	0.56	0.63	0.45	0.55	0.61
560	50.04	50.05	49.88	0.28	0.39	0.45	0.30	0.38	0.43
600	48.40	48.64	48.69	0.23	0.33	0.39	0.25	0.32	0.37
650	57.07	57.27	57.40	0.18	0.29	0.34	0.20	0.28	0.32
700	65.22	65.07	65.20	0.15	0.26	0.31	0.17	0.25	0.29
750	55.35	55.60	55.80	0.12	0.24	0.29	0.15	0.23	0.27
800	53.18	53.34	53.58	0.11	0.22	0.28	0.14	0.22	0.26
850	52.68	52.81	53.14	0.09	0.21	0.27	0.13	0.21	0.25
900	53.00	53.32	53.52	0.09	0.21	0.27	0.12	0.21	0.25
950	53.83	54.13	54.38	0.08	0.20	0.27	0.12	0.20	0.25
1000	54.79	55.16	55.45	0.07	0.20	0.27	0.12	0.21	0.25
1050	56.24	56.51	56.84	0.07	0.21	0.28	0.11	0.20	0.25
1100	57.87	58.09	58.53	0.07	0.21	0.28	0.12	0.21	0.26
1150	59.55	59.72	60.15	0.07	0.21	0.28	0.12	0.22	0.26
1200	61.36	61.75	62.14	0.07	0.22	0.29	0.12	0.22	0.27
1250	63.66	63.93	64.64	0.07	0.22	0.29	0.13	0.23	0.27
1300	66.70	66.70	67.36	0.07	0.23	0.30	0.13	0.23	0.28
1350	70.07	70.54	70.84	0.08	0.23	0.31	0.13	0.24	0.29
1400	74.70	75.83	75.50	0.08	0.23	0.31	0.14	0.24	0.29
1450	88.81	89.72	85.74	0.08	0.24	0.32	0.15	0.25	0.30
1500	81.18	85.81	84.55	0.09	0.25	0.33	0.15	0.26	0.31
1550	76.81	75.86	76.19	0.08	0.25	0.34	0.15	0.26	0.31
1600	72.23	72.73	72.68	0.09	0.26	0.35	0.16	0.26	0.32
1650	70.41	70.41	71.40	0.09	0.27	0.36	0.17	0.27	0.33
1700	69.78	69.52	69.46	0.10	0.27	0.36	0.17	0.28	0.34
1750	68.16	67.23	67.97	0.10	0.27	0.37	0.17	0.28	0.34
1800	64.63	65.18	64.98	0.10	0.27	0.38	0.17	0.28	0.35
1850	63.67	63.80	64.56	0.10	0.28	0.39	0.18	0.29	0.36
1900	65.06	65.04	64.73	0.10	0.29	0.40	0.18	0.29	0.37
2000	65.57	65.89	65.66	0.11	0.30	0.44	0.19	0.30	0.38
2100	65.33	68.22	66.91	0.12	0.31	0.45	0.19	0.31	0.40
2200	57.87	59.93	61.44	0.12	0.32	0.47	0.21	0.32	0.43
2300	56.56	54.96	54.73	0.12	0.33	0.50	0.21	0.34	0.45
2400	61.01	63.50	58.78	0.12	0.34	0.53	0.21	0.35	0.47

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# SXLP-400+

## Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
0.5	2.75	2.40	2.53
10	1.78	1.77	1.77
20	1.77	1.76	1.76
30	1.76	1.76	1.75
40	1.76	1.75	1.75
50	1.76	1.76	1.75
60	1.77	1.76	1.76
70	1.77	1.77	1.76
80	1.78	1.78	1.77
90	1.79	1.79	1.78
100	1.80	1.80	1.79
110	1.81	1.81	1.80
120	1.83	1.82	1.82
130	1.85	1.84	1.84
140	1.87	1.86	1.85
150	1.89	1.88	1.87
160	1.91	1.90	1.89
170	1.93	1.93	1.92
180	1.96	1.95	1.94
190	1.99	1.98	1.96
200	2.02	2.00	1.99
210	2.05	2.03	2.02
220	2.08	2.06	2.05
230	2.12	2.10	2.09
240	2.15	2.14	2.12
246	2.17	2.16	2.15
250	2.18	2.17	2.16
256	2.21	2.20	2.19
260	2.22	2.22	2.22
266	2.26	2.26	2.26
270	2.29	2.29	2.29
276	2.32	2.32	2.32
280	2.34	2.35	2.35
286	2.38	2.39	2.40
290	2.41	2.42	2.43
300	2.49	2.50	2.51
306	2.55	2.56	2.57
310	2.60	2.61	2.62
316	2.67	2.68	2.69
320	2.72	2.73	2.74
326	2.80	2.81	2.82
330	2.85	2.86	2.87
336	2.94	2.95	2.96
340	3.00	3.01	3.02
346	3.10	3.11	3.12
350	3.18	3.19	3.20
356	3.30	3.31	3.32
360	3.38	3.39	3.41
366	3.52	3.54	3.56
370	3.63	3.65	3.66
376	3.80	3.82	3.85
380	3.93	3.95	3.98
386	4.15	4.18	4.22
390	4.32	4.36	4.40
400	4.88	4.95	5.02

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