

# Surface Mount Low Pass Filter

# SXLP-380+

## 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	0.02	0.03	57.38	54.62	52.48	56.21	53.14	51.25
10	0.03	0.05	0.06	44.89	42.09	40.76	44.58	41.99	40.82
50	0.07	0.11	0.13	33.58	33.39	33.25	34.11	34.58	35.09
100	0.11	0.16	0.18	31.99	33.92	35.21	35.54	39.92	45.57
200	0.20	0.28	0.31	22.43	22.12	21.93	22.16	21.86	21.69
300	0.26	0.36	0.41	29.53	31.58	33.57	29.77	31.64	33.39
380	0.44	0.57	0.64	20.18	20.34	20.45	20.28	20.64	20.97
410	0.62	0.82	0.94	16.96	16.02	15.26	18.08	17.22	16.45
420	0.95	1.20	1.37	11.51	10.88	10.36	11.94	11.40	10.90
440	2.76	3.17	3.47	4.79	4.58	4.38	4.87	4.73	4.55
460	6.32	6.80	7.16	1.91	1.91	1.87	1.91	1.96	1.96
500	15.00	15.42	15.74	0.53	0.59	0.62	0.48	0.59	0.65
580	30.02	30.35	30.58	0.22	0.27	0.30	0.16	0.27	0.32
600	33.37	33.69	33.93	0.20	0.25	0.28	0.13	0.24	0.29
700	49.32	49.70	49.85	0.14	0.18	0.21	0.06	0.17	0.23
750	57.84	58.21	58.34	0.11	0.16	0.20	0.04	0.16	0.22
800	69.70	70.12	70.26	0.10	0.16	0.19	0.02	0.15	0.21
900	72.42	72.19	72.95	0.09	0.14	0.18	0.01	0.15	0.22
1000	71.04	70.94	71.39	0.08	0.14	0.19	0.00	0.15	0.22
1100	73.85	76.48	73.77	0.09	0.15	0.19	0.00	0.16	0.23
1200	78.09	79.58	78.95	0.09	0.16	0.20	0.00	0.16	0.25
1300	84.95	84.03	86.28	0.10	0.17	0.22	0.00	0.18	0.27
1400	95.04	93.35	86.86	0.11	0.19	0.24	0.00	0.19	0.28
1500	85.68	82.15	85.98	0.12	0.20	0.25	0.01	0.21	0.31
1600	80.85	81.86	79.44	0.13	0.21	0.27	0.01	0.21	0.32
1700	75.69	77.12	75.38	0.14	0.22	0.28	0.02	0.23	0.34
1800	70.58	71.89	76.81	0.15	0.24	0.30	0.03	0.25	0.36
1900	72.31	70.55	69.93	0.17	0.26	0.31	0.04	0.27	0.38
2000	74.25	69.96	70.00	0.18	0.27	0.33	0.05	0.28	0.40
2100	59.37	65.21	63.09	0.19	0.29	0.34	0.06	0.29	0.41
2200	61.89	62.42	63.47	0.21	0.30	0.36	0.06	0.31	0.43
2300	53.64	59.33	52.50	0.21	0.31	0.38	0.06	0.32	0.45
2400	51.79	55.44	56.88	0.22	0.33	0.38	0.08	0.33	0.45
2500	53.86	56.64	57.12	0.23	0.34	0.41	0.07	0.34	0.47
2600	53.08	58.66	59.84	0.22	0.34	0.41	0.09	0.35	0.47
2700	53.92	53.89	54.60	0.24	0.35	0.41	0.07	0.36	0.50
2800	46.46	52.19	59.66	0.24	0.37	0.44	0.10	0.37	0.51
2900	50.75	49.58	48.06	0.24	0.37	0.45	0.09	0.40	0.54
3000	42.42	46.89	43.91	0.31	0.40	0.47	0.13	0.42	0.60
3100	43.98	41.18	43.21	0.31	0.44	0.55	0.10	0.43	0.60
3200	40.49	44.36	39.89	0.31	0.42	0.50	0.18	0.45	0.68
3300	42.22	43.90	43.40	0.35	0.45	0.57	0.10	0.46	0.63
3400	40.77	41.03	45.53	0.26	0.46	0.55	0.12	0.48	0.73
3500	39.52	37.85	38.52	0.37	0.52	0.67	0.22	0.52	0.74
3600	40.75	36.32	39.18	0.51	0.58	0.81	0.19	0.55	0.74
3700	37.40	36.87	40.60	0.48	0.65	0.83	0.21	0.61	0.83
3800	34.90	35.75	35.43	0.54	0.73	1.02	0.20	0.68	0.96
3900	35.48	34.78	35.91	0.71	0.89	1.11	0.34	0.70	1.03
4000	35.35	36.64	38.89	0.72	1.08	1.83	0.30	0.83	1.11
4100	29.66	37.16	25.65	1.16	2.58	4.75	0.68	0.94	1.27
4200	23.93	20.86	21.62	5.87	4.18	3.59	0.67	1.30	1.66
4300	18.08	24.46	28.60	4.31	2.87	1.95	1.02	1.29	1.69
4400	23.84	24.34	22.93	1.33	1.50	1.89	1.05	1.60	2.29
4500	20.72	22.10	24.44	1.13	1.48	1.49	1.28	2.20	3.44

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# SXLP-380+

## Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
1	2.04	1.99	2.07
10	2.11	2.09	2.13
20	2.16	2.16	2.17
30	2.15	2.15	2.16
40	2.15	2.15	2.16
50	2.15	2.15	2.16
60	2.16	2.16	2.16
70	2.16	2.16	2.17
80	2.17	2.16	2.17
90	2.18	2.17	2.18
100	2.18	2.18	2.19
110	2.19	2.19	2.20
120	2.21	2.20	2.21
130	2.22	2.22	2.22
140	2.23	2.23	2.23
150	2.25	2.24	2.25
160	2.26	2.26	2.26
170	2.28	2.27	2.28
180	2.30	2.29	2.29
190	2.31	2.31	2.31
200	2.34	2.33	2.34
210	2.36	2.35	2.36
220	2.38	2.38	2.39
230	2.41	2.41	2.41
240	2.44	2.44	2.45
250	2.48	2.48	2.49
260	2.52	2.52	2.53
270	2.57	2.57	2.58
280	2.63	2.63	2.64
290	2.68	2.68	2.69
300	2.74	2.74	2.75
310	2.81	2.81	2.82
320	2.88	2.88	2.89
330	2.95	2.96	2.97
340	3.03	3.03	3.05
350	3.10	3.10	3.11
360	3.25	3.27	3.28
370	3.41	3.44	3.46
380	3.61	3.64	3.67
390	3.89	3.92	3.97
400	4.22	4.28	4.33
410	4.73	4.78	4.84
420	5.20	5.23	5.26
430	5.50	5.46	5.44
440	5.43	5.32	5.25
450	4.97	4.82	4.72
460	4.21	4.09	4.00
470	3.83	3.72	3.65
480	3.35	3.26	3.19
490	2.88	2.81	2.76
500	2.50	2.45	2.41
600	1.13	1.09	1.10
700	0.75	0.70	0.71
800	3.09	1.30	5.31

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