

# Surface Mount Low Pass Filter

# SXLP-550+

## 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	0.01	0.01	54.88	53.71	52.07	63.03	59.74	56.39
10	0.02	0.03	0.03	42.32	40.79	39.63	43.05	41.35	40.19
20	0.03	0.04	0.05	37.70	36.32	35.58	37.49	36.14	35.44
80	0.08	0.11	0.12	27.32	28.23	29.24	26.92	27.78	28.69
100	0.09	0.12	0.13	26.96	28.00	28.75	26.52	27.40	28.01
200	0.14	0.19	0.21	29.50	28.00	27.00	28.99	27.73	26.83
240	0.19	0.24	0.27	21.55	21.18	20.96	21.78	21.46	21.26
300	0.29	0.36	0.39	16.16	16.23	16.31	16.35	16.45	16.57
400	0.32	0.40	0.44	17.48	18.26	18.93	17.66	18.55	19.31
500	0.44	0.57	0.64	17.86	17.46	17.15	18.27	17.97	17.71
510	0.47	0.60	0.68	16.90	16.68	16.50	17.30	17.19	17.09
511	0.48	0.61	0.68	16.82	16.61	16.45	17.24	17.16	17.06
512	0.48	0.61	0.69	16.76	16.57	16.41	17.18	17.12	17.04
513	0.48	0.62	0.69	16.70	16.53	16.37	17.12	17.08	17.00
514	0.49	0.62	0.69	16.65	16.49	16.35	17.08	17.06	17.00
515	0.49	0.62	0.70	16.61	16.46	16.33	17.02	17.03	16.98
520	0.50	0.64	0.72	16.44	16.37	16.28	16.89	16.99	17.02
530	0.53	0.67	0.75	16.53	16.59	16.60	17.16	17.48	17.70
540	0.54	0.68	0.77	17.28	17.40	17.51	18.29	18.88	19.42
550	0.55	0.71	0.81	18.45	18.42	18.38	20.42	21.38	22.22
560	0.60	0.78	0.90	18.61	17.90	17.29	21.83	21.94	21.60
570	0.73	0.95	1.11	15.76	14.66	13.84	17.76	16.80	15.96
580	1.01	1.30	1.51	11.72	10.81	10.14	12.65	11.86	11.20
590	1.55	1.92	2.19	8.25	7.61	7.13	8.74	8.20	7.76
600	2.41	2.88	3.22	5.62	5.20	4.90	5.91	5.59	5.32
605	2.99	3.49	3.86	4.60	4.28	4.04	4.84	4.60	4.40
610	3.65	4.18	4.57	3.75	3.52	3.34	3.95	3.79	3.65
630	6.91	7.50	7.93	1.70	1.67	1.63	1.80	1.84	1.82
640	8.73	9.32	9.75	1.20	1.21	1.20	1.27	1.34	1.37
650	10.60	11.16	11.58	0.87	0.90	0.92	0.93	1.02	1.07
660	12.45	13.00	13.41	0.66	0.71	0.73	0.70	0.81	0.86
670	14.27	14.80	15.20	0.52	0.57	0.60	0.55	0.67	0.72
680	16.04	16.55	16.93	0.42	0.48	0.51	0.45	0.57	0.63
690	17.76	18.24	18.60	0.36	0.42	0.45	0.38	0.50	0.56
700	19.43	19.90	20.25	0.31	0.37	0.41	0.33	0.45	0.51
800	34.06	34.42	34.72	0.15	0.20	0.25	0.13	0.25	0.31
900	46.76	47.20	47.36	0.11	0.17	0.21	0.07	0.20	0.27
1000	59.77	59.90	60.27	0.10	0.16	0.20	0.05	0.18	0.26
1050	66.78	66.76	67.54	0.09	0.15	0.20	0.04	0.17	0.26
1100	74.10	74.51	74.58	0.09	0.16	0.20	0.03	0.17	0.26
1200	82.75	90.83	90.45	0.09	0.16	0.21	0.02	0.17	0.26
1300	85.93	89.73	88.11	0.10	0.17	0.22	0.02	0.18	0.26
1400	93.78	93.12	93.62	0.10	0.17	0.23	0.01	0.17	0.27
1500	92.57	90.14	87.14	0.11	0.19	0.24	0.00	0.18	0.28
1600	81.52	83.69	80.42	0.11	0.19	0.25	0.00	0.19	0.30
1700	79.19	79.04	78.94	0.12	0.20	0.26	0.01	0.19	0.30
1800	74.72	76.01	76.10	0.14	0.22	0.28	0.01	0.21	0.32
1900	70.91	74.87	69.99	0.14	0.23	0.29	0.01	0.21	0.33
2000	77.80	71.79	80.88	0.15	0.24	0.30	0.01	0.22	0.34
3000	42.81	44.73	41.99	0.29	0.37	0.45	0.05	0.35	0.50
4000	34.46	32.74	32.62	0.50	0.73	0.97	0.16	0.73	0.91
5000	26.38	24.90	23.43	1.24	2.01	2.38	8.12	8.24	4.77
6000	16.05	19.07	17.67	2.29	2.71	3.34	2.00	2.93	2.35

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# Surface Mount Low Pass Filter

# SXLP-550+

## Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
1	2.02	2.12	2.01
10	1.78	1.81	1.78
50	1.67	1.66	1.67
100	1.67	1.67	1.68
120	1.68	1.68	1.68
130	1.69	1.69	1.69
140	1.69	1.69	1.70
150	1.70	1.70	1.70
160	1.71	1.71	1.71
170	1.72	1.72	1.72
180	1.73	1.73	1.73
190	1.74	1.74	1.74
200	1.75	1.74	1.74
220	1.77	1.76	1.76
230	1.77	1.77	1.77
240	1.78	1.78	1.78
250	1.79	1.79	1.79
260	1.80	1.80	1.80
270	1.81	1.81	1.81
280	1.82	1.82	1.82
290	1.83	1.83	1.83
300	1.84	1.84	1.84
320	1.87	1.87	1.87
330	1.88	1.88	1.89
340	1.90	1.90	1.91
350	1.92	1.93	1.93
360	1.95	1.95	1.96
370	1.98	1.98	1.99
380	2.01	2.02	2.03
390	2.05	2.05	2.06
400	2.09	2.09	2.10
420	2.18	2.18	2.19
430	2.23	2.23	2.24
440	2.28	2.28	2.29
450	2.33	2.33	2.34
460	2.38	2.38	2.39
470	2.43	2.44	2.44
480	2.49	2.49	2.50
490	2.54	2.54	2.55
500	2.58	2.59	2.60
520	2.80	2.82	2.84
530	2.93	2.97	3.00
540	3.12	3.15	3.20
550	3.34	3.39	3.45
560	3.65	3.71	3.77
570	3.98	4.04	4.09
580	4.35	4.39	4.42
590	4.60	4.58	4.56
600	4.61	4.52	4.44
700	1.58	1.55	1.53
800	0.90	0.88	0.89
900	0.64	0.64	0.67
1000	0.33	0.55	0.32
1050	0.76	0.51	0.62
1060	0.63	0.28	0.32

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