

Surface Mount Low Pass Filter

SXLP-550A+

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	0.04	53.08	49.58	46.43	51.02	48.14	46.29
5	0.01	0.03	0.04	50.22	46.01	43.49	49.99	45.93	43.47
10	0.02	0.03	0.04	45.71	42.20	39.89	45.85	42.34	39.88
20	0.03	0.05	0.06	39.72	37.46	35.58	39.89	37.51	35.70
40	0.04	0.07	0.09	32.65	32.58	32.32	32.63	32.64	32.43
50	0.05	0.08	0.11	30.21	31.08	31.82	30.21	31.11	31.92
60	0.05	0.09	0.10	28.43	29.96	31.58	28.42	29.96	31.65
80	0.07	0.11	0.12	26.38	28.39	30.79	26.36	28.38	30.80
100	0.08	0.13	0.15	25.84	27.48	29.29	25.82	27.45	29.21
200	0.12	0.19	0.22	30.51	35.83	45.32	30.60	35.97	45.99
300	0.17	0.28	0.34	24.98	23.64	22.93	24.91	23.60	22.85
400	0.26	0.39	0.47	23.07	23.58	24.06	23.01	23.48	23.95
500	0.55	0.78	0.89	18.12	17.75	17.55	18.10	17.72	17.54
550	1.02	1.40	1.62	28.07	26.98	26.18	29.01	30.02	31.05
565	1.81	2.50	3.03	15.92	13.83	12.22	20.20	17.19	14.91
570	2.75	3.80	4.67	9.99	8.52	7.41	11.77	10.04	8.73
580	8.78	10.72	12.30	2.86	2.77	2.63	3.31	3.18	3.03
590	20.17	22.27	24.12	1.24	1.43	1.50	1.40	1.59	1.66
600	36.10	38.89	41.04	0.86	1.06	1.15	0.95	1.14	1.24
630	45.97	47.12	48.33	0.53	0.70	0.78	0.57	0.73	0.82
700	45.23	45.58	45.79	0.33	0.48	0.56	0.34	0.48	0.57
800	51.96	52.28	52.51	0.19	0.34	0.42	0.19	0.33	0.42
900	43.32	43.60	43.79	0.15	0.31	0.36	0.11	0.28	0.36
1000	42.52	42.80	42.89	0.08	0.24	0.32	0.07	0.24	0.32
1100	42.58	42.81	43.14	0.06	0.22	0.31	0.05	0.21	0.31
1200	43.70	44.18	44.40	0.04	0.20	0.30	0.04	0.22	0.32
1300	45.11	45.52	45.52	0.03	0.21	0.31	0.02	0.21	0.32
1400	45.78	46.19	46.50	0.03	0.22	0.32	0.02	0.22	0.33
1500	48.46	48.79	48.88	0.02	0.21	0.32	0.02	0.22	0.34
1600	48.49	48.92	48.96	0.03	0.23	0.35	0.03	0.23	0.36
1700	50.60	50.97	51.35	0.02	0.25	0.36	0.04	0.25	0.37
1800	51.78	52.27	52.40	0.02	0.24	0.37	0.02	0.24	0.37
1900	53.29	53.03	53.53	0.02	0.26	0.39	0.03	0.25	0.37
2000	54.01	53.77	54.72	0.04	0.27	0.41	0.04	0.28	0.40
2100	53.30	53.75	54.45	0.05	0.30	0.43	0.06	0.30	0.45
2200	50.18	49.71	49.93	0.06	0.31	0.44	0.07	0.31	0.44
2300	47.57	48.77	50.81	0.07	0.33	0.46	0.09	0.33	0.47
2400	54.57	58.98	59.28	0.08	0.33	0.48	0.10	0.35	0.47
2500	58.40	57.60	54.69	0.09	0.35	0.51	0.09	0.35	0.50
2600	53.12	53.42	49.99	0.10	0.37	0.54	0.11	0.38	0.54
2700	58.03	54.63	58.86	0.08	0.38	0.52	0.11	0.41	0.54
2800	48.48	51.53	51.47	0.11	0.39	0.56	0.13	0.42	0.59
2900	49.79	51.01	51.64	0.08	0.39	0.55	0.12	0.40	0.59
3000	49.89	49.78	46.21	0.10	0.42	0.60	0.12	0.43	0.63
3100	44.47	44.35	41.44	0.16	0.45	0.63	0.19	0.45	0.68
3200	42.41	44.22	41.00	0.10	0.45	0.61	0.13	0.45	0.70
3300	43.35	42.44	41.74	0.06	0.45	0.61	0.12	0.48	0.70
3400	41.54	41.40	42.89	0.13	0.49	0.70	0.20	0.53	0.76
3500	41.36	38.84	40.99	0.11	0.48	0.72	0.22	0.56	0.81
3600	38.12	36.47	37.05	0.18	0.54	0.81	0.13	0.57	0.77
3700	36.87	35.62	34.96	0.14	0.52	0.75	0.19	0.59	0.92
3800	32.69	31.88	32.10	0.11	0.59	0.85	0.44	0.90	1.53
3900	28.26	32.12	38.82	0.22	0.65	0.87	0.92	1.48	1.29
4000	40.41	34.22	40.42	0.20	0.65	0.88	0.48	0.79	1.00

REV. X2

SXLP-550A+

101125

Page 1 of 2



IF/RF MICROWAVE COMPONENTS • ISO 9001 ISO 14001 AS 9100 CERTIFIED • RoHS compliant

P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661



The Design Engineers Search Engine finds the model you need, Instantly • For detailed performance specs & shopping online see



Surface Mount Low Pass Filter

SXLP-550A+

Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
1	1.34	1.35	1.36
10	1.34	1.35	1.36
20	1.34	1.33	1.34
30	1.33	1.33	1.34
40	1.33	1.33	1.33
50	1.33	1.33	1.33
60	1.33	1.33	1.33
70	1.34	1.33	1.33
80	1.34	1.34	1.34
90	1.33	1.33	1.34
100	1.34	1.34	1.35
120	1.36	1.35	1.36
130	1.36	1.36	1.36
140	1.37	1.37	1.37
150	1.38	1.37	1.37
160	1.39	1.38	1.39
170	1.40	1.39	1.41
180	1.41	1.41	1.42
190	1.43	1.42	1.43
200	1.44	1.44	1.45
220	1.47	1.46	1.46
230	1.48	1.48	1.48
240	1.51	1.50	1.51
250	1.53	1.52	1.53
260	1.55	1.54	1.55
270	1.57	1.56	1.56
280	1.59	1.58	1.59
290	1.62	1.62	1.62
300	1.64	1.64	1.64
320	1.70	1.69	1.70
330	1.73	1.72	1.73
340	1.77	1.77	1.77
350	1.81	1.80	1.81
360	1.86	1.86	1.87
370	1.92	1.92	1.93
380	1.97	1.97	1.99
390	2.03	2.03	2.04
400	2.11	2.11	2.12
420	2.29	2.30	2.32
430	2.38	2.40	2.41
440	2.50	2.53	2.54
450	2.64	2.65	2.67
460	2.77	2.79	2.81
470	2.93	2.94	2.96
480	3.12	3.15	3.17
490	3.36	3.39	3.42
500	3.63	3.67	3.71
520	4.48	4.57	4.66
530	5.19	5.30	5.42
540	6.16	6.32	6.49
550	7.36	7.62	7.88
560	10.33	10.84	11.34
570	15.10	15.27	15.34
580	15.38	14.01	12.91
590	8.15	6.78	5.51

REV. X2
 SXLP-550A+
 101125
 Page 2 of 2



IF/RF MICROWAVE COMPONENTS • ISO 9001 ISO 14001 AS 9100 CERTIFIED • RoHS compliant
 P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661



The Design Engineers Search Engine finds the model you need, Instantly • For detailed performance specs & shopping online see

