

Surface Mount Low Pass Filter

SXLP-1000+

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	58.80	60.09	58.53	59.14	60.85	69.97
60	0.05	0.06	0.08	60.16	46.96	42.51	45.53	49.96	55.98
70	0.06	0.07	0.09	53.37	46.48	42.39	45.47	49.28	53.05
80	0.06	0.08	0.10	48.70	45.73	42.28	46.03	48.81	48.55
90	0.06	0.08	0.10	45.53	44.76	42.06	47.66	47.53	45.09
100	0.06	0.08	0.11	43.41	43.40	41.61	50.66	46.07	42.59
200	0.10	0.14	0.17	36.91	33.11	31.20	38.58	33.67	31.63
300	0.14	0.20	0.24	26.73	25.38	24.44	26.98	25.62	24.73
400	0.20	0.27	0.32	20.59	20.23	19.83	20.63	20.28	19.91
500	0.28	0.36	0.42	17.11	17.09	16.95	17.07	17.06	16.94
600	0.34	0.43	0.48	15.46	15.76	15.83	15.38	15.68	15.76
700	0.34	0.44	0.49	16.24	16.90	17.21	16.14	16.81	17.12
800	0.30	0.42	0.48	23.06	24.69	25.93	22.67	24.15	25.12
900	0.37	0.53	0.62	20.92	20.15	19.44	20.60	19.84	19.15
1000	0.68	0.85	0.94	12.35	12.44	12.40	12.18	12.31	12.27
1100	0.74	0.91	0.99	13.35	14.41	15.15	13.00	13.98	14.60
1110	0.71	0.89	0.98	14.43	15.83	16.83	13.97	15.18	15.95
1120	0.68	0.88	0.98	16.02	17.94	19.43	15.41	16.93	17.88
1130	0.66	0.88	0.99	18.54	21.56	24.31	17.48	19.37	20.46
1140	0.65	0.89	1.02	22.99	29.68	42.81	20.44	22.17	22.35
1150	0.68	0.94	1.10	35.42	31.65	25.34	23.43	22.07	20.32
1160	0.73	1.04	1.22	25.47	20.58	18.19	21.17	18.28	16.55
1170	0.85	1.20	1.42	17.90	15.47	14.02	16.64	14.55	13.27
1180	1.05	1.45	1.71	13.59	12.08	11.07	12.99	11.59	10.65
1190	1.33	1.79	2.09	10.60	9.58	8.84	10.23	9.28	8.58
1200	1.73	2.24	2.58	8.35	7.63	7.10	8.09	7.43	6.93
1210	2.24	2.80	3.17	6.58	6.10	5.71	6.38	5.95	5.59
1220	2.86	3.46	3.86	5.21	4.89	4.62	5.04	4.78	4.52
1230	3.59	4.21	4.64	4.14	3.95	3.75	3.99	3.85	3.68
1240	4.40	5.04	5.48	3.31	3.21	3.08	3.17	3.13	3.03
1280	8.14	8.77	9.21	1.48	1.57	1.56	1.37	1.51	1.54
1300	10.10	10.73	11.14	1.08	1.19	1.21	0.96	1.15	1.18
1350	14.88	15.46	15.80	0.58	0.72	0.75	0.48	0.69	0.76
1400	19.33	19.81	20.15	0.40	0.54	0.57	0.30	0.51	0.59
1500	27.22	27.71	27.95	0.27	0.41	0.45	0.18	0.40	0.47
1600	34.65	35.11	35.37	0.22	0.36	0.40	0.13	0.36	0.43
1620	36.00	36.57	37.00	0.21	0.36	0.40	0.12	0.35	0.43
1700	41.91	42.28	42.52	0.20	0.34	0.39	0.11	0.34	0.42
1750	46.51	46.88	48.11	0.20	0.34	0.37	0.11	0.34	0.42
1800	52.59	53.16	52.38	0.18	0.33	0.37	0.10	0.34	0.42
1900	87.96	73.12	100.27	0.19	0.34	0.38	0.09	0.34	0.43
2000	57.66	57.61	57.62	0.19	0.33	0.37	0.10	0.35	0.44
2100	53.26	53.70	53.60	0.19	0.33	0.38	0.10	0.35	0.45
2200	51.96	52.00	52.01	0.20	0.33	0.39	0.11	0.35	0.46
2300	50.88	51.02	50.93	0.20	0.34	0.39	0.10	0.35	0.46
2400	50.33	50.28	50.20	0.21	0.34	0.39	0.10	0.36	0.48
2500	49.76	49.89	49.61	0.21	0.34	0.40	0.11	0.37	0.49
2600	48.94	49.06	48.83	0.22	0.35	0.41	0.11	0.36	0.50
2700	48.36	47.91	48.03	0.23	0.36	0.43	0.12	0.37	0.51
2800	46.94	47.78	46.70	0.23	0.36	0.42	0.12	0.37	0.51
2900	47.54	45.97	47.61	0.23	0.36	0.43	0.12	0.37	0.53
3000	45.78	46.12	45.40	0.23	0.38	0.44	0.11	0.37	0.52
4000	34.69	35.81	32.48	0.31	0.62	0.75	0.17	0.63	0.86
5000	14.64	12.60	15.06	3.26	5.63	4.12	2.10	3.78	4.30

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SXLP-1000+

Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
0.5	1.03	1.20	1.09
1	1.00	1.12	1.05
50	0.93	0.93	0.93
100	0.93	0.93	0.93
140	0.93	0.93	0.93
150	0.93	0.93	0.93
160	0.94	0.93	0.93
180	0.94	0.93	0.93
200	0.94	0.93	0.93
240	0.94	0.94	0.93
250	0.94	0.94	0.94
260	0.95	0.94	0.94
280	0.95	0.94	0.94
300	0.95	0.94	0.94
340	0.96	0.95	0.95
350	0.96	0.95	0.95
360	0.96	0.96	0.95
380	0.97	0.96	0.96
400	0.97	0.96	0.96
440	0.98	0.97	0.97
450	0.98	0.98	0.97
460	0.98	0.98	0.97
480	0.99	0.98	0.98
500	0.99	0.99	0.98
540	1.00	1.00	1.00
550	1.01	1.00	1.00
560	1.01	1.00	1.00
580	1.02	1.01	1.01
600	1.03	1.02	1.02
640	1.04	1.04	1.04
650	1.05	1.04	1.05
660	1.05	1.05	1.05
680	1.07	1.07	1.07
700	1.08	1.08	1.08
720	1.10	1.10	1.10
750	1.13	1.12	1.12
760	1.14	1.13	1.13
780	1.16	1.15	1.16
800	1.18	1.17	1.18
840	1.23	1.22	1.22
850	1.24	1.23	1.23
860	1.25	1.24	1.24
900	1.29	1.28	1.28
940	1.33	1.32	1.32
950	1.34	1.33	1.33
960	1.35	1.34	1.34
1000	1.39	1.39	1.39
1100	1.68	1.71	1.73
1200	2.63	2.57	2.53
1300	1.59	1.54	1.50
1400	0.93	0.92	0.90
1500	0.73	0.69	0.73
1600	0.63	0.59	0.57
1700	0.64	0.62	0.65
1800	0.20	0.20	0.27

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