Surface Mount Low Pass Filter SXLP-1100+

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	0.01	0.01	0.02	65.79	60.37	56.67	73.70	68.30	61.70
5.0	0.01	0.02	0.02	57.23	59.11	55.43	57.53	60.38	56.97
9.0	0.01	0.02	0.02	52.18	55.89	53.01	52.09	57.06	55.56
10.0	0.01	0.02	0.03	51.89	55.39	51.93	50.72	55.91	55.70
30.0	0.03	0.04	0.05	41.59	44.71	44.11	40.32	45.10	59.65
50.0	0.04	0.06	0.06	38.57	39.81	39.08	37.00	40.20	45.71
70.0	0.05	0.07	0.08	38.37	37.00	35.14	36.30	37.18	37.59
90.0	0.06	0.08	0.09	39.25	34.87	32.04	37.36	35.02	32.90
110.0	0.07	0.09	0.10	38.71	33.16	29.73	39.18	33.22	29.81
150.0	0.08	0.12	0.13	34.51	30.80	27.25	38.01	30.94	26.87
200.0	0.10	0.14	0.16	32.52	29.09	26.33	33.20	29.05	26.03
250.0	0.12	0.16	0.19	32.39	28.30	25.58	32.30	28.34	25.57
310.0	0.14	0.19	0.23	31.37	28.58	26.21	31.68	28.61	26.12
350.0	0.15	0.21	0.24	30.54	29.61	28.15	30.38	29.33	27.88
410.0	0.16	0.23	0.26	32.13	32.87	33.23	31.14	31.78	32.11
450.0	0.17	0.24	0.28	36.40	38.19	40.92	33.31	34.79	36.32
500.0	0.18	0.26	0.30	54.60	51.16	42.06	36.83	38.63	39.20
550.0	0.19	0.28	0.33	35.41	34.75	32.15	36.32	35.70	33.77
600.0	0.21	0.30	0.36	29.29	29.51	28.16	30.92	31.43	30.09
650.0	0.23	0.33	0.39	26.19	26.50	25.92	27.59	28.60	28.18
700.0	0.25	0.36	0.42	24.40	24.73	24.71	25.88	27.06	27.54
750.0	0.27	0.39	0.46	23.54	23.88	24.26	25.23	26.43	27.78
800.0	0.30	0.42	0.50	23.21	23.59	24.19	25.29	26.55	28.51
850.0	0.32	0.46	0.53	23.62	24.08	24.70	25.69	27.19	29.28
900.0	0.34	0.49	0.57	25.23	25.31	25.74	27.23	28.36	29.70
950.0	0.37	0.53	0.63	28.77	28.02	28.24	30.23	30.34	30.81
1000.0	0.41	0.58	0.69	33.58	34.02	34.96	32.92	33.68	34.34
1050.0	0.47	0.66	0.78	25.06	25.46	24.74	25.26	25.76	25.14
1100.0	0.64	0.85	1.02	16.64	16.51	15.81	16.99	17.02	16.38
1120.0	0.77	1.01	1.20	14.03	13.81	13.18	14.39	14.35	13.75
1140.0	0.94	1.20	1.42	11.68	11.45	10.94	11.99	11.91	11.44
1150.0	1.07	1.34	1.58	10.59	10.37	9.91	10.89	10.81	10.40
1160.0	1.21	1.50	1.75	9.59	9.38	8.98	9.88	9.81	9.44
1180.0	1.59	1.91	2.19	7.77	7.60	7.31	8.04	7.99	7.74
1200.0	2.10	2.46	2.77	6.21	6.09	5.91	6.47	6.47	6.32
1210.0	2.41	2.79	3.10	5.52	5.44	5.31	5.79	5.81	5.71
1220.0	2.77	3.16	3.48	4.90	4.85	4.77	5.17	5.22	5.17
1225.0	2.96	3.37	3.68	4.61	4.57	4.52	4.88	4.95	4.92
1240.0	3.62	4.04	4.35	3.82	3.84	3.85	4.11	4.22	4.26
1250.0	4.12	4.54	4.85	3.37	3.42	3.46	3.68	3.82	3.90
1270.0	5.27	5.71	6.01	2.62	2.72	2.82	2.97	3.17	3.32
1280.0	5.95	6.39	6.68	2.31	2.44	2.56	2.69	2.93	3.10
1300.0	7.54	7.99	8.32	1.81	1.99	2.14	2.26	2.56	2.80
1310.0	8.49	8.96	9.32	1.62	1.82	1.99	2.10	2.43	2.70
1330.0	10.83	11.36	11.83	1.35	1.60	1.80	1.88	2.25	2.55
1350.0	13.94	14.56	15.19	1.23	1.53	1.77	1.72	2.11	2.41
1370.0	18.00	18.72	19.55	1.24	1.62	1.90	1.55	1.93	2.21
1380.0	20.44	21.21	22.14	1.29	1.70	2.00	1.46	1.83	2.10
1400.0	26.23	27.07	28.14	1.44	1.89	2.20	1.29	1.62	1.87
1410.0	29.57	30.42	31.54	1.50	1.97	2.27	1.21	1.52	1.75
1420.0	33.25	34.05	35.18	1.56	2.02	2.30	1.13	1.43	1.65
1430.0	37.16	37.85	38.90	1.58	2.03	2.28	1.05	1.34	1.56
1440.0	41.06	41.59	42.35	1.58	1.99	2.22	0.99	1.26	1.47
1450.0	44.55	44.82	45.16	1.54	1.93	2.13	0.93	1.18	1.39
1500.0	45.43	45.78	45.84	1.15	1.40	1.53	0.70	0.91	1.09
2000.0	47.21	47.17	46.89	0.24	0.38	0.45	0.20	0.36	0.47
2500.0	42.30	41.87	41.04	0.16	0.26	0.32	0.14	0.30	0.42
3000.0	37.51	37.48	36.77	0.23	0.32	0.36	0.13	0.29	0.41
3500.0	32.75	34.85	39.16	0.39	0.51	0.67	0.16	0.36	0.51
4000.0	35.41	36.10	38.29	0.27	0.37	0.48	0.19	0.43	0.54
4500.0	37.72	38.06	40.22	0.15	0.31	0.42	0.18	0.39	0.55
5000.0	41.46	41.88	43.02	0.19	0.35	0.44	0.21	0.44	0.62
5500.0	47.06	50.11	49.13	0.22	0.41	0.52	0.14	0.46	0.71
6000.0	41.94	41.12	42.61	0.24	0.52	0.73	0.24	0.73	1.02
6500.0	45.16	42.89	39.59	0.21	0.53	0.85	0.19	0.64	1.14
7000.0	31.42	32.04	33.48	0.46	0.70	0.86	0.57	0.97	1.49
7500.0	32.23	30.16	30.69	0.51	0.81	0.94	0.95	1.18	1.49
8000.0	28.35	28.28	30.62	0.64	0.94	1.02	1.09	1.59	1.68
8500.0	32.60	30.34	31.41	1.50	1.44	1.60	1.61	3.13	3.93

Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@-40°C	@+25°C	@+85°C
1.0	1.01	1.01	1.04
5.0	1.01	1.01	1.02
9.0	1.01	1.01	1.01
10.0	1.01	1.01	1.01
50.0	1.00	1.00	0.99
110.0	1.00	0.99	0.99
150.0	1.00	0.99	0.99
200.0	1.00	1.00	0.99
250.0	1.01	1.00	0.99
310.0	1.02	1.01	1.00
350.0	1.03	1.02	1.01
390.0	1.04	1.03	1.02
410.0	1.04	1.03	1.03
450.0	1.05	1.05	1.04
500.0	1.07	1.06	1.06
520.0	1.08	1.07	1.07
540.0	1.09	1.08	1.07
550.0	1.09	1.08	1.08
560.0	1.10	1.09	1.08
580.0	1.11	1.10	1.09
590.0	1.11	1.10	1.09
600.0	1.11	1.11	1.10
620.0	1.13	1.12	1.11
640.0	1.14	1.13	1.12
650.0	1.14	1.13	1.13
660.0	1.15	1.14	1.13
680.0	1.16	1.15	1.15
700.0	1.17	1.16	1.16
720.0	1.18	1.18	1.17
740.0	1.20	1.19	1.19
750.0	1.21	1.20	1.20
760.0	1.22	1.21	1.20
780.0	1.23	1.23	1.22
800.0	1.25	1.25	1.24
810.0	1.26	1.26	1.25
820.0	1.27	1.27	1.27
830.0	1.29	1.28	1.28
840.0	1.30	1.29	1.29
850.0	1.31	1.30	1.30
860.0	1.32	1.32	1.31
870.0	1.33	1.33	1.33
880.0	1.35	1.34	1.34
890.0	1.36	1.36	1.35
900.0	1.38	1.37	1.37
910.0	1.39	1.39	1.39
920.0	1.41	1.41	1.40
930.0	1.43	1.43	1.42
940.0	1.45	1.44	1.44
950.0	1.47	1.46	1.46
960.0	1.49	1.49	1.48
970.0	1.51	1.51	1.51
980.0	1.54	1.53	1.53
990.0	1.56	1.56	1.56
1000.0	1.58	1.58	1.58
1010.0	1.61	1.61	1.61
1020.0	1.64	1.64	1.64
1030.0	1.68	1.68	1.68
1040.0	1.71	1.72	1.72
1050.0	1.75	1.76	1.76
1060.0	1.79	1.80	1.80
1070.0	1.83	1.83	1.84
1080.0	1.88	1.88	1.89
1090.0	1.93	1.93	1.94
1100.0	1.97	1.98	1.99