

Surface Mount Low Pass Filter

SXLP-225+

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	0.02	0.03	0.03	45.28	44.50	43.17	45.29	44.43	43.25
10	0.05	0.06	0.07	41.07	39.31	37.82	41.07	39.79	38.56
20	0.07	0.09	0.10	39.44	36.93	35.67	39.54	38.23	37.52
70	0.13	0.17	0.19	33.83	34.16	33.78	48.79	48.05	40.76
100	0.17	0.21	0.24	31.32	31.31	31.53	32.82	32.60	32.45
150	0.23	0.29	0.33	36.30	35.45	34.61	31.67	30.93	30.26
170	0.27	0.33	0.38	27.93	27.09	26.56	27.04	26.39	25.93
180	0.30	0.37	0.42	25.17	24.32	23.77	24.89	24.21	23.71
200	0.34	0.43	0.49	24.13	23.31	22.84	24.53	23.77	23.31
225	0.48	0.59	0.67	20.49	20.09	19.68	21.08	20.73	20.34
240	1.15	1.33	1.48	9.34	9.06	8.79	9.40	9.15	8.90
250	2.44	2.72	2.93	5.14	4.98	4.85	5.17	5.03	4.92
260	4.64	4.98	5.25	2.70	2.66	2.62	2.71	2.70	2.69
275	9.02	9.37	9.68	1.12	1.16	1.18	1.12	1.19	1.23
290	13.63	13.98	14.25	0.60	0.65	0.70	0.59	0.67	0.73
300	16.61	16.95	17.21	0.46	0.51	0.55	0.44	0.53	0.59
340	27.31	27.58	27.80	0.27	0.32	0.36	0.25	0.33	0.38
400	40.56	40.79	40.93	0.19	0.23	0.27	0.16	0.24	0.29
440	48.22	48.44	48.63	0.16	0.20	0.24	0.13	0.21	0.26
500	58.56	58.80	59.01	0.13	0.17	0.20	0.10	0.17	0.23
600	72.75	72.87	73.17	0.10	0.15	0.18	0.06	0.14	0.20
700	80.34	80.48	81.49	0.09	0.14	0.17	0.04	0.13	0.19
800	82.30	80.57	83.87	0.08	0.13	0.18	0.03	0.13	0.19
900	81.48	78.40	78.96	0.07	0.13	0.18	0.02	0.13	0.21
1000	79.13	79.61	78.83	0.08	0.14	0.19	0.03	0.14	0.24
1100	76.76	78.34	76.85	0.09	0.15	0.21	0.03	0.15	0.24
1200	76.73	78.68	78.94	0.10	0.17	0.23	0.03	0.16	0.26
1300	77.21	77.16	75.22	0.11	0.18	0.25	0.04	0.18	0.28
1400	78.37	75.89	78.05	0.13	0.20	0.27	0.05	0.19	0.30
1500	75.20	76.57	74.39	0.14	0.22	0.28	0.05	0.20	0.33
1600	72.53	75.87	71.38	0.16	0.23	0.30	0.06	0.22	0.35
1700	75.06	66.20	75.00	0.16	0.24	0.31	0.06	0.24	0.36
1800	73.05	78.69	83.25	0.18	0.26	0.34	0.08	0.24	0.38
1900	68.61	64.69	76.61	0.20	0.27	0.35	0.08	0.26	0.38
2000	73.36	62.47	65.23	0.21	0.28	0.37	0.09	0.28	0.41
2100	68.21	58.95	66.40	0.21	0.30	0.38	0.09	0.29	0.42
2200	63.28	60.64	58.93	0.23	0.32	0.40	0.10	0.30	0.45
2300	51.88	59.95	54.23	0.25	0.32	0.41	0.13	0.31	0.47
2400	53.11	63.11	48.35	0.26	0.33	0.44	0.12	0.31	0.48
2500	51.97	56.17	52.72	0.27	0.34	0.45	0.12	0.34	0.49
2600	52.26	55.55	54.54	0.26	0.35	0.45	0.14	0.34	0.49
2700	52.85	44.33	53.43	0.28	0.39	0.52	0.14	0.37	0.52
2800	51.84	43.95	43.54	0.27	0.41	0.51	0.14	0.40	0.59
2900	50.14	44.52	49.36	0.28	0.43	0.51	0.16	0.37	0.58
3000	43.37	51.27	43.77	0.34	0.54	0.60	0.16	0.41	0.59
3100	40.70	44.90	43.11	0.38	0.46	0.59	0.20	0.46	0.65
3200	40.13	43.98	43.98	0.41	0.45	0.64	0.15	0.44	0.65
3300	38.11	41.45	40.72	0.37	0.49	0.66	0.22	0.50	0.69
3400	37.06	44.32	36.18	0.55	0.48	0.81	0.18	0.52	0.72
3500	38.50	40.51	36.45	0.35	0.62	0.69	0.26	0.60	1.12
3600	47.79	38.65	42.04	0.46	0.71	0.89	0.43	0.57	1.06
3700	37.04	34.76	37.46	0.53	1.00	1.44	0.27	0.74	0.95
3800	33.95	29.59	24.26	1.17	3.34	3.48	0.46	0.77	1.10
4000	20.15	21.94	21.35	1.05	1.07	1.33	0.83	1.39	2.12

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Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
0.5	4.34	4.32	4.39
1	4.07	4.06	4.12
5	3.82	3.82	3.86
10	3.71	3.71	3.74
15	3.58	3.58	3.60
20	3.45	3.46	3.47
25	3.43	3.44	3.45
30	3.44	3.44	3.45
35	3.44	3.45	3.45
40	3.44	3.44	3.45
45	3.45	3.46	3.46
50	3.45	3.45	3.45
51	3.46	3.46	3.46
52	3.45	3.45	3.46
54	3.46	3.46	3.46
55	3.47	3.48	3.48
56	3.46	3.47	3.47
57	3.48	3.48	3.49
58	3.46	3.48	3.48
59	3.49	3.50	3.50
60	3.48	3.49	3.50
61	3.50	3.51	3.50
62	3.49	3.50	3.50
64	3.51	3.52	3.52
65	3.53	3.52	3.53
70	3.53	3.53	3.52
80	3.54	3.56	3.56
90	3.59	3.59	3.59
100	3.66	3.67	3.68
110	3.70	3.70	3.71
120	3.76	3.76	3.77
130	3.84	3.84	3.84
140	3.93	3.93	3.94
150	4.03	4.04	4.05
160	4.15	4.16	4.17
170	4.29	4.30	4.31
180	4.46	4.48	4.48
190	4.66	4.68	4.69
200	4.83	4.84	4.86
210	5.37	5.41	5.44
220	5.96	6.02	6.07
225	6.37	6.43	6.49
230	6.78	6.88	6.92
240	7.61	7.65	7.67
250	7.85	7.78	7.73
260	6.81	6.69	6.58
270	6.04	5.94	5.83
280	5.10	5.00	4.91
290	4.18	4.10	4.04
300	3.48	3.42	3.38
400	1.30	1.27	1.26
500	0.90	0.84	0.89
600	1.35	0.56	2.10
650	1.31	1.53	1.45
660	1.70	1.28	0.93

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