

Surface Mount Low Pass Filter

SXLP-8.4+

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
0.5	0.04	0.09	0.07	48.24	45.62	43.88	47.76	45.94	44.13
1.0	0.04	0.05	0.07	44.91	43.28	41.82	49.15	46.47	44.65
5.0	0.17	0.18	0.19	25.74	25.45	25.31	26.75	26.36	26.17
8.4	0.43	0.45	0.47	24.79	24.82	24.86	25.99	26.14	26.31
9.0	0.87	0.91	0.95	12.52	12.36	12.28	12.92	12.76	12.70
9.4	2.22	2.30	2.36	6.12	6.01	5.98	6.24	6.11	6.11
10.0	7.39	7.55	7.63	1.65	1.61	1.63	1.68	1.65	1.65
11.0	20.09	20.29	20.39	0.40	0.40	0.42	0.38	0.36	0.38
11.6	28.18	28.43	28.54	0.27	0.25	0.28	0.27	0.26	0.27
12.0	34.11	34.38	34.53	0.22	0.23	0.22	0.23	0.21	0.22
13.0	57.17	58.62	58.75	0.18	0.18	0.18	0.16	0.15	0.17
14.0	53.03	52.84	52.82	0.13	0.11	0.12	0.14	0.14	0.15
15.0	53.32	53.90	53.32	0.12	0.12	0.11	0.09	0.10	0.10
16.0	57.66	58.06	58.18	0.11	0.09	0.10	0.07	0.08	0.08
17.0	65.01	64.88	64.04	0.10	0.09	0.09	0.10	0.10	0.11
18.0	77.06	75.65	80.33	0.07	0.07	0.06	0.08	0.09	0.09
19.0	78.18	76.80	78.04	0.06	0.08	0.07	0.06	0.06	0.07
20.0	73.83	71.68	73.41	0.07	0.08	0.08	0.06	0.08	0.07
30.0	62.23	62.09	62.03	0.06	0.06	0.07	0.05	0.06	0.09
40.0	58.27	58.16	58.35	0.07	0.09	0.08	0.05	0.07	0.09
50.0	57.98	57.89	58.63	0.09	0.11	0.10	0.06	0.08	0.10
75.0	61.99	61.42	61.65	0.08	0.10	0.10	0.09	0.08	0.11
100.0	67.28	67.16	67.48	0.11	0.12	0.11	0.08	0.11	0.11
150.0	74.68	75.25	79.65	0.13	0.14	0.13	0.09	0.11	0.13
200.0	65.57	65.56	65.47	0.16	0.16	0.15	0.10	0.13	0.15
300.0	66.82	66.67	66.92	0.17	0.19	0.20	0.13	0.17	0.19
400.0	62.18	62.49	62.15	0.22	0.24	0.25	0.22	0.27	0.30
500.0	36.07	36.16	36.24	0.21	0.23	0.23	0.15	0.21	0.24
600.0	41.20	41.17	41.34	0.16	0.20	0.22	0.08	0.17	0.21
700.0	41.42	41.49	41.40	0.19	0.23	0.26	0.11	0.17	0.24
800.0	41.21	40.65	40.37	0.18	0.21	0.24	0.16	0.23	0.27
900.0	39.40	39.63	39.68	0.13	0.20	0.21	0.13	0.24	0.30
1000.0	39.34	39.15	39.21	0.17	0.23	0.25	0.18	0.28	0.35
1200.0	36.96	37.10	37.05	0.25	0.28	0.33	0.13	0.26	0.33
1400.0	36.26	35.91	35.99	0.19	0.27	0.30	0.13	0.27	0.37
1500.0	35.12	35.00	34.98	0.20	0.27	0.33	0.14	0.31	0.41
1600.0	34.50	34.43	34.34	0.21	0.29	0.33	0.20	0.39	0.53
1800.0	33.47	33.24	33.17	0.28	0.38	0.45	0.30	0.49	0.62
2000.0	32.53	32.56	32.38	0.36	0.45	0.54	0.28	0.48	0.63
2200.0	31.22	30.92	30.80	0.54	0.67	0.74	0.40	0.68	0.85
2400.0	28.58	28.12	27.90	0.60	0.69	0.78	0.75	1.06	1.27
2500.0	27.13	26.70	26.41	0.58	0.70	0.79	0.90	1.16	1.37
2600.0	25.90	25.61	25.29	0.60	0.73	0.82	0.85	1.16	1.38
2800.0	24.00	23.53	23.12	0.66	0.80	0.91	0.97	1.41	1.71
3000.0	21.57	21.13	20.58	0.75	0.93	1.06	1.51	2.18	2.76
3200.0	19.38	19.42	19.04	1.10	1.35	1.51	3.21	4.56	5.71
3400.0	20.58	20.84	20.66	1.40	1.62	1.79	7.11	9.75	12.29
3500.0	20.85	20.77	20.60	1.35	1.55	1.78	11.23	15.62	19.02
3600.0	20.25	20.14	20.08	1.41	1.66	1.89	20.29	26.97	21.40
3800.0	18.81	18.75	18.78	1.67	2.03	2.28	26.45	20.90	17.09
4000.0	17.24	17.23	17.28	2.36	2.93	3.25	13.32	11.89	11.29
4200.0	12.86	13.14	13.38	4.36	5.02	5.74	10.54	10.58	10.59
4400.0	11.16	12.12	12.60	6.34	7.42	8.24	9.45	9.52	9.70
4500.0	11.89	13.35	14.10	8.01	8.77	9.56	9.37	9.18	9.24

REV. X2

SXLP-8.4+

101121

Page 1 of 2



IF/RF MICROWAVE COMPONENTS • ISO 9001 ISO 14001 AS9100 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-8.4+

Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
0.50	58.80	63.79	61.35
1.00	65.18	66.16	65.75
1.50	66.98	67.03	67.14
2.00	67.47	67.90	67.64
2.50	69.02	69.08	69.08
3.00	70.58	70.52	70.64
3.50	72.36	72.68	72.54
4.00	74.79	74.95	74.99
4.50	77.53	77.74	77.71
5.00	81.28	81.46	81.53
5.50	85.51	85.75	85.81
6.00	91.30	91.26	91.43
6.50	98.15	98.30	98.65
7.00	107.03	107.32	107.22
7.25	112.47	112.73	113.31
7.50	119.15	119.51	119.56
7.75	127.67	128.15	128.31
8.00	137.97	138.56	138.96
8.25	151.39	152.35	152.54
8.40	161.17	162.05	162.49
8.50	168.57	169.95	169.83
8.60	176.55	177.87	177.88
8.70	185.12	186.31	186.57
8.80	193.86	194.96	195.37
8.90	202.35	203.68	203.55
9.00	210.15	211.24	211.49
9.20	222.78	223.41	223.35
9.30	227.02	227.90	227.52
9.40	229.56	230.19	229.49
9.50	230.63	230.83	230.44
9.60	228.92	228.80	228.61
9.70	225.88	225.62	225.18
9.80	221.02	220.21	219.92
9.90	214.15	213.39	212.84
10.00	206.19	205.64	204.60
10.20	185.88	184.83	184.00
10.30	174.87	173.97	172.93
10.40	163.87	163.05	161.97
10.50	153.44	152.52	151.80
10.60	142.89	141.81	141.22
10.70	133.26	132.29	132.18
10.80	124.20	123.45	122.92
10.90	116.32	115.79	115.34
11.00	108.92	108.29	107.49
11.20	96.06	95.63	95.28
11.30	89.92	89.45	88.96
11.40	85.82	84.47	84.34
11.50	80.39	79.44	78.87
11.60	76.10	74.41	75.44
11.70	71.21	71.09	70.11
11.80	67.58	66.74	65.54
11.90	62.27	62.09	60.94
12.00	59.36	56.95	55.90
12.20	46.83	46.80	46.48
12.40	29.41	18.88	12.05

REV. X2
SXLP-8.4+
101121
Page 2 of 2



IF/RF MICROWAVE COMPONENTS • ISO 9001 ISO 14001 AS9100 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

