

# Surface Mount Low Pass Filter

# SXLP-135+

## 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	0.02	0.03	0.04	49.24	47.30	45.70	49.37	47.42	45.78
1	0.03	0.03	0.04	46.10	44.88	43.74	46.09	44.85	43.78
10	0.09	0.09	0.11	30.51	29.85	29.40	30.60	29.95	29.51
30	0.12	0.15	0.16	24.68	24.42	24.31	24.87	24.64	24.55
50	0.15	0.18	0.20	27.79	28.26	28.82	28.51	29.07	29.97
60	0.18	0.21	0.23	32.79	33.87	34.79	35.49	37.39	39.76
70	0.20	0.23	0.26	31.29	31.17	30.82	32.37	31.91	31.23
80	0.22	0.26	0.30	26.96	26.95	26.82	26.91	26.80	26.62
90	0.25	0.30	0.33	25.77	26.12	26.32	25.44	25.72	25.93
135	0.45	0.54	0.60	29.09	28.88	28.85	26.13	25.56	25.10
150	1.57	1.76	1.91	7.66	7.51	7.36	7.54	7.39	7.23
155	2.93	3.19	3.40	4.51	4.44	4.37	4.46	4.38	4.31
160	5.02	5.33	5.58	2.59	2.60	2.57	2.55	2.55	2.54
180	15.47	15.76	16.02	0.55	0.60	0.63	0.50	0.56	0.61
210	29.19	29.46	29.66	0.28	0.32	0.34	0.23	0.29	0.33
280	53.27	53.40	53.67	0.16	0.19	0.21	0.11	0.17	0.19
300	59.34	59.56	59.79	0.14	0.17	0.19	0.10	0.14	0.18
400	78.99	83.77	79.73	0.09	0.12	0.14	0.06	0.11	0.14
500	77.54	78.73	79.05	0.06	0.09	0.11	0.02	0.08	0.12
600	83.15	77.30	77.57	0.06	0.09	0.11	0.02	0.09	0.14
700	80.81	79.98	86.94	0.04	0.07	0.10	0.02	0.10	0.15
800	85.29	85.89	97.07	0.02	0.07	0.10	0.02	0.07	0.13
900	95.46	86.76	79.61	0.01	0.08	0.12	0.05	0.15	0.23
1000	84.06	84.59	99.21	0.04	0.09	0.13	0.02	0.12	0.19
1100	94.56	78.45	80.41	0.01	0.07	0.11	0.04	0.17	0.24
1200	88.63	82.96	89.60	0.04	0.08	0.13	0.04	0.17	0.25
1300	88.38	90.50	84.44	0.05	0.11	0.17	0.05	0.17	0.27
1400	76.22	82.13	82.05	0.05	0.13	0.17	0.06	0.21	0.28
1500	77.92	83.22	78.17	0.05	0.11	0.16	0.10	0.22	0.33
1600	71.20	67.27	69.84	0.08	0.15	0.19	0.07	0.21	0.30
1700	72.00	74.05	75.07	0.09	0.16	0.21	0.09	0.22	0.33
1800	65.33	61.21	64.01	0.12	0.20	0.23	0.11	0.25	0.35
1900	66.79	64.02	70.68	0.13	0.20	0.25	0.11	0.25	0.36
2000	52.57	52.26	50.96	0.18	0.25	0.29	0.12	0.28	0.38
2100	62.26	58.11	58.81	0.18	0.26	0.31	0.13	0.29	0.39
2200	65.83	69.47	66.88	0.19	0.27	0.32	0.15	0.30	0.41
2300	54.99	58.57	60.69	0.22	0.29	0.35	0.19	0.33	0.44
2400	49.27	53.83	48.61	0.29	0.34	0.41	0.19	0.35	0.46
2500	47.26	49.75	53.34	0.29	0.37	0.42	0.25	0.36	0.49
2600	29.71	30.31	30.26	0.37	0.43	0.51	1.12	0.92	1.07
2700	42.01	39.27	36.36	0.37	0.47	0.58	0.28	0.50	0.66
2800	39.90	40.31	41.30	0.37	0.46	0.51	0.24	0.41	0.58
2900	40.88	39.34	38.99	0.44	0.64	0.72	0.20	0.41	0.54
3000	36.23	37.59	36.57	0.43	0.49	0.58	0.18	0.40	0.53
3100	37.66	39.35	38.77	0.39	0.50	0.60	0.25	0.48	0.59
3200	36.89	36.00	35.21	0.39	0.56	0.74	0.30	0.52	0.74
3300	34.48	34.39	37.19	0.41	0.55	0.64	0.39	0.56	0.75
3400	30.85	30.93	29.37	0.50	0.68	0.73	0.39	0.61	0.80
3500	26.33	24.45	24.83	0.56	0.89	1.07	0.49	0.82	1.07
3600	17.57	22.87	26.82	1.55	1.25	1.15	2.22	1.44	1.41
3700	32.34	35.89	32.58	0.92	1.01	1.39	0.44	0.81	1.18
3800	44.76	28.85	27.06	1.32	2.42	2.09	0.45	0.89	1.07
3900	27.74	28.85	27.66	0.99	1.08	1.18	0.62	0.96	1.12
4000	24.22	33.99	28.46	1.14	0.90	1.15	1.15	1.19	1.79

REV. X2  
SXLP-135+  
101124  
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-135+

## Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
0.5	5.68	5.82	5.78
1	5.69	5.80	5.77
2	5.68	5.78	5.76
3	5.67	5.75	5.75
4	5.67	5.73	5.74
5	5.66	5.71	5.72
10	5.64	5.65	5.68
15	5.62	5.64	5.66
20	5.63	5.65	5.66
25	5.64	5.66	5.66
30	5.66	5.68	5.68
35	5.70	5.70	5.72
40	5.73	5.74	5.75
45	5.77	5.78	5.80
50	5.84	5.84	5.85
55	5.89	5.91	5.92
60	5.96	5.97	5.98
65	6.04	6.05	6.07
70	6.12	6.13	6.14
75	6.21	6.22	6.23
80	6.31	6.32	6.33
85	6.42	6.43	6.45
90	6.55	6.57	6.58
95	6.73	6.74	6.75
100	6.90	6.92	6.94
105	7.12	7.13	7.15
110	7.37	7.39	7.41
115	7.66	7.68	7.70
120	8.00	8.04	8.09
125	8.29	8.37	8.41
130	8.57	8.63	8.68
131	9.07	9.16	9.21
132	9.29	9.30	9.41
133	9.38	9.45	9.56
134	9.61	9.61	9.72
135	9.84	9.91	9.91
140	10.92	10.98	11.04
150	13.41	13.31	13.37
160	11.58	11.46	11.24
170	8.04	7.94	7.75
180	5.84	5.70	5.68
190	4.14	4.17	4.08
200	3.12	3.07	3.10
210	2.59	2.59	2.55
220	2.46	2.44	2.35
225	2.22	2.14	2.11
230	1.99	1.88	2.04
235	1.71	1.78	1.83
240	1.66	1.35	1.43
245	1.28	1.81	1.62
250	1.74	1.56	1.40
255	1.87	1.34	1.42
260	1.43	1.40	1.71
270	1.32	1.76	1.24
280	0.91	1.49	0.44

REV. X2  
SXLP-135+  
101124  
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

