

Surface Mount Low Pass Filter

SCLF-36+

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	0.02	0.03	44.46	44.35	43.93	45.04	44.66	44.28
10.0	0.10	0.11	0.12	22.58	22.78	23.06	22.52	22.72	22.96
21.0	0.15	0.17	0.18	38.57	39.69	39.63	38.19	38.88	38.56
30.0	0.33	0.34	0.37	24.93	25.63	26.28	25.46	26.24	27.02
31.0	0.37	0.37	0.41	25.76	26.41	27.13	26.42	27.16	27.98
32.0	0.41	0.42	0.46	26.80	27.34	28.09	27.48	28.08	28.91
33.0	0.45	0.45	0.50	27.75	28.03	28.72	28.24	28.53	29.18
34.0	0.49	0.50	0.55	27.80	27.65	28.07	27.76	27.55	27.86
35.0	0.56	0.56	0.62	25.80	25.18	25.18	25.41	24.80	24.72
36.0	0.66	0.67	0.74	21.81	20.98	20.70	21.53	20.78	20.48
37.0	0.83	0.86	0.95	17.16	16.39	16.04	17.10	16.37	15.99
38.0	1.14	1.21	1.33	12.70	12.04	11.72	12.76	12.12	11.76
39.0	1.77	1.88	2.06	8.78	8.29	8.04	8.89	8.38	8.10
40.0	2.89	3.09	3.33	5.68	5.34	5.17	5.77	5.41	5.24
41.0	4.65	4.93	5.24	3.47	3.26	3.18	3.56	3.35	3.26
42.0	7.03	7.37	7.70	2.08	1.98	1.96	2.16	2.05	2.02
43.0	9.84	10.19	10.55	1.28	1.24	1.26	1.35	1.30	1.30
44.0	12.87	13.21	13.57	0.85	0.83	0.87	0.90	0.88	0.91
45.0	15.99	16.33	16.70	0.60	0.60	0.64	0.65	0.64	0.67
46.0	19.14	19.44	19.79	0.46	0.47	0.51	0.49	0.50	0.53
47.0	22.26	22.58	22.96	0.36	0.38	0.42	0.39	0.41	0.43
48.0	25.40	25.73	26.07	0.30	0.32	0.35	0.32	0.33	0.36
49.0	28.57	28.88	29.24	0.27	0.28	0.32	0.28	0.30	0.32
50.0	31.79	32.14	32.47	0.23	0.24	0.28	0.25	0.26	0.29
51.0	35.07	35.46	35.79	0.20	0.22	0.25	0.22	0.24	0.25
52.0	38.48	38.83	39.25	0.18	0.20	0.23	0.20	0.22	0.23
53.0	42.06	42.49	42.95	0.16	0.18	0.21	0.18	0.19	0.21
53.5	43.95	44.46	44.73	0.16	0.17	0.21	0.17	0.19	0.21
54.0	45.92	46.42	46.82	0.16	0.17	0.20	0.17	0.19	0.20
55.0	50.17	50.86	51.26	0.15	0.17	0.19	0.16	0.17	0.19
56.0	55.17	55.95	56.69	0.14	0.15	0.18	0.14	0.16	0.18
57.0	61.48	63.07	63.90	0.12	0.14	0.17	0.13	0.14	0.16
58.0	73.85	76.14	79.18	0.12	0.13	0.16	0.12	0.14	0.16
59.0	73.70	70.60	71.83	0.11	0.13	0.15	0.12	0.14	0.15
60.0	68.56	67.77	67.00	0.10	0.12	0.15	0.11	0.13	0.14
62.0	65.88	65.24	65.08	0.10	0.12	0.14	0.11	0.13	0.13
64.0	65.82	65.86	66.16	0.10	0.11	0.13	0.10	0.12	0.13
65.0	67.51	68.06	68.33	0.10	0.11	0.13	0.11	0.12	0.13
70.0	78.87	81.48	78.01	0.08	0.10	0.11	0.08	0.10	0.11
75.0	68.76	68.26	67.04	0.08	0.10	0.10	0.08	0.10	0.10
80.0	65.34	65.35	64.30	0.08	0.10	0.11	0.08	0.09	0.10
90.0	63.88	64.03	64.01	0.08	0.09	0.11	0.07	0.08	0.09
100.0	64.18	65.47	64.77	0.07	0.09	0.11	0.07	0.09	0.10
200.0	56.94	58.10	57.73	0.12	0.13	0.14	0.09	0.10	0.11
250.0	54.79	55.77	55.59	0.13	0.15	0.16	0.10	0.11	0.12
390.0	50.71	49.78	49.59	0.15	0.17	0.21	0.14	0.17	0.18
400.0	46.47	45.87	45.42	0.16	0.18	0.23	0.14	0.16	0.18
410.0	42.33	41.92	41.52	0.18	0.21	0.25	0.16	0.19	0.20
475.0	36.39	36.95	36.88	0.19	0.21	0.26	0.17	0.21	0.21
600.0	55.61	58.60	57.35	0.27	0.30	0.35	0.22	0.25	0.27
700.0	10.62	10.74	10.73	3.77	3.64	3.68	2.14	2.22	2.28
800.0	16.66	16.90	16.93	0.45	0.49	0.53	0.50	0.54	0.57
900.0	21.58	21.80	21.70	0.23	0.28	0.33	0.23	0.28	0.30
1000.0	22.59	22.89	22.75	0.19	0.25	0.31	0.17	0.23	0.26

REV. X2

SCLF-36+

101110

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

SCLF-36+

Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
0.1	14.96	15.66	17.52
1	15.93	16.10	15.91
2	15.71	15.70	16.19
3	15.82	15.75	15.78
4	15.89	16.06	15.91
5	16.35	16.08	16.17
6	16.21	16.37	16.19
7	16.25	16.58	16.15
8	16.44	16.22	16.37
9	16.50	16.42	16.25
10	16.65	16.54	16.64
11	16.65	16.52	16.74
12	16.74	16.54	16.93
13	16.90	17.13	17.29
14	17.20	16.88	17.12
15	17.21	17.39	17.32
16	18.05	18.29	18.25
17	18.36	18.28	18.30
18	18.57	18.69	18.59
19	18.87	19.10	19.02
20	19.36	19.68	19.34
21	19.85	19.61	19.84
22	20.31	20.30	20.52
23	20.77	20.95	20.97
24	21.24	21.25	21.26
25	21.89	21.91	22.16
26	22.68	22.75	22.70
27	23.47	23.62	23.59
28	24.70	24.69	24.83
29	25.42	25.61	25.75
30	27.02	27.11	27.14
31	28.13	28.35	28.54
32	30.00	29.93	30.10
33	31.70	31.94	32.24
34	34.07	34.55	34.77
35	36.97	37.30	37.82
36	41.15	41.47	41.73
37	46.70	46.68	47.33
38	52.45	52.77	53.14
39	58.21	58.42	58.75
40	61.54	60.92	60.64
41	59.36	58.54	57.72
42	52.66	51.59	50.96
43	44.61	43.66	43.20
44	36.89	36.48	35.91
45	31.06	30.36	30.55
46	25.84	26.28	25.59
47	22.82	21.97	21.95
48	19.49	19.37	19.25
49	16.59	16.83	17.07
50	14.55	14.54	14.85
52	12.44	11.01	10.95
53	11.19	11.68	9.11
54	8.09	10.30	7.83
55	5.30	9.15	10.13

REV. X2
SCLF-36+
101110
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

