

Surface Mount Low Pass Filter

SCLF-10.7+

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	0.06	0.08	0.09	43.13	41.40	39.84	43.66	41.76	40.18
2.6	0.10	0.11	0.12	36.79	37.06	37.65	36.87	37.00	37.60
4.3	0.15	0.17	0.20	25.43	25.53	25.76	25.22	25.27	25.48
5.9	0.22	0.24	0.26	20.45	20.40	20.40	20.29	20.22	20.22
7.0	0.24	0.26	0.30	19.61	19.51	19.45	19.47	19.36	19.31
7.5	0.26	0.28	0.31	19.94	19.82	19.73	19.78	19.66	19.57
8.0	0.26	0.28	0.31	20.71	20.57	20.47	20.53	20.39	20.32
9.0	0.28	0.30	0.34	22.01	21.96	21.84	21.78	21.83	21.70
9.1	0.29	0.31	0.34	21.90	21.91	21.82	21.75	21.75	21.64
10.0	0.34	0.37	0.41	19.22	19.28	19.30	19.31	19.36	19.32
11.0	0.45	0.48	0.52	16.65	16.72	16.72	17.13	17.18	17.23
12.4	0.82	0.87	0.95	11.68	11.68	11.45	12.86	12.87	12.71
14.0	6.02	6.13	6.39	1.88	1.90	1.88	2.06	2.08	2.06
14.5	8.97	9.10	9.37	1.07	1.08	1.10	1.17	1.19	1.21
15.4	14.38	14.52	14.80	0.48	0.51	0.54	0.54	0.57	0.60
16.3	19.35	19.51	19.79	0.29	0.33	0.35	0.33	0.36	0.37
17.2	23.94	24.07	24.34	0.23	0.26	0.28	0.26	0.27	0.29
18.1	28.07	28.23	28.47	0.19	0.23	0.25	0.21	0.23	0.24
19.0	31.93	32.06	32.33	0.18	0.20	0.23	0.20	0.21	0.22
19.5	33.95	34.09	34.34	0.16	0.19	0.21	0.18	0.19	0.21
20.4	37.39	37.51	37.77	0.16	0.18	0.19	0.17	0.19	0.18
21.3	40.61	40.76	41.00	0.14	0.17	0.18	0.16	0.17	0.17
22.2	43.61	43.76	43.99	0.13	0.15	0.17	0.15	0.16	0.17
23.1	46.48	46.79	46.91	0.13	0.15	0.16	0.13	0.14	0.16
24.0	49.26	49.46	49.77	0.12	0.14	0.15	0.13	0.14	0.15
25.0	52.26	52.26	52.57	0.12	0.13	0.15	0.12	0.13	0.13
30.0	65.08	65.78	65.21	0.10	0.11	0.13	0.10	0.11	0.11
40.0	90.42	95.15	85.93	0.07	0.08	0.09	0.06	0.08	0.08
46.9	90.31	94.43	88.93	0.05	0.06	0.07	0.06	0.07	0.09
50.0	89.24	98.01	88.28	0.05	0.06	0.07	0.06	0.08	0.09
60.0	89.11	88.27	84.51	0.05	0.07	0.07	0.04	0.07	0.07
68.8	87.17	95.96	93.33	0.05	0.07	0.09	0.05	0.06	0.07
70.0	84.03	85.64	92.95	0.05	0.06	0.09	0.05	0.07	0.06
80.0	88.14	89.25	84.97	0.04	0.06	0.08	0.05	0.06	0.07
90.0	98.94	86.90	84.93	0.05	0.06	0.08	0.06	0.07	0.07
100.0	81.91	80.05	85.34	0.06	0.06	0.08	0.06	0.07	0.08
200.0	78.21	75.95	77.31	0.05	0.07	0.09	0.04	0.09	0.10
250.0	73.42	74.55	72.66	0.05	0.09	0.10	0.04	0.09	0.10
300.0	74.44	72.37	72.23	0.05	0.10	0.11	0.05	0.10	0.13
350.0	70.05	70.06	71.23	0.05	0.11	0.13	0.06	0.12	0.14
400.0	69.59	70.85	69.07	0.04	0.11	0.13	0.06	0.13	0.15
450.0	68.13	69.86	68.60	0.05	0.12	0.15	0.06	0.14	0.17
500.0	68.84	68.89	68.12	0.06	0.13	0.16	0.06	0.14	0.17
550.0	68.82	68.40	67.80	0.07	0.14	0.18	0.07	0.16	0.19
600.0	69.45	70.52	71.16	0.08	0.16	0.20	0.09	0.18	0.21
650.0	65.84	64.99	65.44	0.09	0.18	0.23	0.10	0.20	0.25
700.0	58.16	60.09	63.65	0.10	0.20	0.25	0.14	0.25	0.29
750.0	51.42	50.65	51.66	0.12	0.22	0.27	0.16	0.28	0.32
800.0	49.14	50.03	51.93	0.13	0.23	0.29	0.18	0.29	0.34
850.0	51.42	53.63	51.70	0.11	0.23	0.30	0.17	0.27	0.35
900.0	51.27	51.70	52.12	0.14	0.26	0.33	0.15	0.30	0.37
950.0	52.09	51.33	51.76	0.14	0.28	0.38	0.18	0.35	0.43
1000.0	50.30	50.76	51.21	0.17	0.31	0.41	0.21	0.40	0.49

REV. X2
SCLF-10.7+
101109
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-10.7+

Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
0.1	64.96	62.94	63.63
0.5	63.90	63.30	64.31
1.0	63.43	63.40	63.53
1.5	63.32	63.48	63.75
2.0	63.41	63.45	63.79
2.5	64.38	64.41	64.33
3.0	63.91	64.00	64.19
3.5	64.33	65.23	64.85
4.0	65.36	65.55	65.72
4.5	66.22	66.34	66.58
4.8	66.44	66.48	66.78
5.0	66.67	66.75	67.07
5.5	67.54	67.76	68.00
5.8	68.24	68.08	68.67
6.0	68.18	68.47	68.57
6.5	69.45	69.38	69.77
6.8	70.32	70.29	70.34
7.0	71.10	71.10	71.18
7.5	72.53	72.85	72.85
8.0	74.98	74.58	75.27
8.5	76.67	77.51	77.41
8.8	78.68	78.98	79.14
9.0	79.89	79.59	80.10
9.5	82.40	82.49	83.33
9.8	85.13	85.26	85.74
10.0	86.53	86.59	86.77
10.5	90.39	90.77	91.08
11.0	96.72	96.81	97.26
12.0	119.23	119.46	120.29
13.0	147.39	147.64	147.96
14.0	121.84	121.66	120.26
15.0	76.24	76.56	75.28
16.0	52.18	50.87	50.43
17.0	37.20	37.01	37.38
18.0	28.95	28.79	28.42
19.0	23.10	23.01	23.57
20.0	18.65	19.25	19.38
21.0	14.04	16.79	16.43
22.0	14.05	14.09	14.02
23.0	9.74	13.54	11.88
24.0	9.91	10.13	8.63
25.0	10.74	6.08	8.60
26.0	10.40	3.19	17.77
27.0	5.34	11.72	10.48
28.0	3.12	9.23	4.91
29.0	8.01	6.26	1.26
30.0	3.11	0.56	9.23
31.0	11.72	3.53	27.03
32.0	45.85	0.80	19.98

REV. X2
SCLF-10.7+
101109
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

