

# Surface Mount Low Pass Filter

# SCLF-1000

## 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
10	0.03	0.03	0.03	52.47	52.64	51.60	52.55	52.46	50.94
12	0.02	0.03	0.02	51.29	52.05	50.99	51.36	52.17	50.55
13	0.03	0.02	0.04	50.70	52.03	50.97	50.93	52.34	50.55
14	0.03	0.02	0.04	50.12	51.58	50.86	50.43	51.62	50.11
15	0.03	0.02	0.03	49.45	51.55	50.46	49.84	51.73	50.10
16	0.01	0.03	0.03	49.10	51.62	50.73	49.54	51.27	50.25
17	0.01	0.03	0.03	48.54	51.62	50.58	48.70	51.34	49.65
18	0.01	0.03	0.04	48.25	51.10	50.42	48.30	51.67	49.60
19	0.02	0.03	0.03	47.45	50.76	50.59	48.05	51.47	49.47
20	0.02	0.04	0.03	47.07	50.63	50.22	47.80	50.87	48.68
30	0.03	0.04	0.05	43.86	49.39	50.39	44.20	49.43	47.69
40	0.04	0.04	0.07	41.68	48.10	51.36	42.23	48.60	47.37
50	0.03	0.05	0.06	40.37	47.37	52.60	41.13	47.66	46.63
60	0.04	0.06	0.08	39.65	46.77	51.62	40.41	46.57	45.83
70	0.03	0.07	0.06	39.35	46.41	49.78	40.06	45.66	44.51
80	0.04	0.06	0.07	39.65	45.80	47.14	40.35	44.88	43.41
90	0.04	0.07	0.08	40.28	45.00	44.77	41.04	43.80	42.25
100	0.04	0.08	0.08	41.82	44.13	42.84	42.33	42.97	41.02
200	0.08	0.10	0.15	37.82	38.06	29.94	36.28	37.69	29.79
300	0.10	0.14	0.20	43.99	34.44	27.63	40.00	34.34	27.63
400	0.12	0.19	0.25	34.33	32.65	28.86	34.43	32.55	28.88
500	0.14	0.22	0.29	38.99	33.93	32.45	37.44	33.81	32.37
600	0.16	0.27	0.33	37.74	44.44	53.29	38.84	49.81	47.54
700	0.19	0.31	0.38	25.30	29.05	28.72	25.60	29.55	28.85
800	0.24	0.37	0.47	20.16	21.58	21.72	20.25	21.60	21.61
900	0.34	0.49	0.61	17.98	18.25	19.05	17.84	18.15	18.65
1000	0.39	0.59	0.71	20.68	20.03	22.88	20.39	19.89	21.23
1100	0.56	0.80	1.07	19.14	18.78	16.41	19.45	19.16	16.05
1200	2.46	3.00	3.50	5.17	5.01	4.71	5.13	4.93	4.60
1300	8.25	9.11	9.53	1.37	1.46	1.50	1.29	1.36	1.36
1400	15.20	16.11	16.43	0.59	0.78	0.82	0.54	0.66	0.71
1444	18.96	19.85	20.05	0.49	0.67	0.73	0.44	0.56	0.63
1488	21.03	22.00	22.12	0.42	0.62	0.67	0.38	0.52	0.59
1500	21.90	22.77	22.90	0.40	0.62	0.66	0.38	0.50	0.59
1532	24.61	25.39	25.45	0.38	0.60	0.64	0.38	0.49	0.59
1576	26.57	27.40	27.49	0.35	0.57	0.63	0.35	0.46	0.57
1600	28.33	28.99	28.99	0.32	0.57	0.61	0.34	0.46	0.56
1620	30.07	30.68	30.68	0.34	0.57	0.60	0.36	0.46	0.59
1664	31.72	32.46	32.28	0.33	0.57	0.59	0.33	0.45	0.58
1700	34.52	35.04	34.52	0.31	0.56	0.31	0.32	0.46	0.32
1800	39.64	40.21	39.64	0.28	0.55	0.28	0.30	0.41	0.30
1900	44.26	44.47	44.26	0.27	0.55	0.27	0.28	0.42	0.28
2000	47.51	47.59	47.51	0.27	0.55	0.27	0.27	0.42	0.27
2100	49.24	48.92	49.24	0.26	0.55	0.26	0.23	0.40	0.23
2106	49.72	49.07	49.72	0.25	0.55	0.25	0.23	0.41	0.23
2188	50.43	49.56	50.43	0.26	0.56	0.26	0.22	0.40	0.22
2200	50.78	49.48	50.78	0.25	0.55	0.25	0.22	0.40	0.22
2266	50.47	50.37	50.47	0.26	0.55	0.26	0.21	0.40	0.21
2300	50.84	50.44	50.84	0.24	0.55	0.24	0.21	0.41	0.21
2344	51.57	51.46	51.57	0.26	0.56	0.26	0.20	0.40	0.20
2400	51.43	50.77	51.43	0.25	0.55	0.25	0.18	0.39	0.18
2422	52.15	51.23	52.15	0.24	0.55	0.24	0.19	0.39	0.19
2500	51.09	50.70	51.09	0.25	0.55	0.25	0.18	0.40	0.18
2600	51.32	50.36	51.63	0.25	0.55	0.58	0.15	0.39	0.45

REV. X2  
SCLF-1000  
101117  
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

# SCLF-1000

## Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
0.1	3.28	3.62	4.69
1	0.82	0.98	0.86
10	0.78	0.91	0.78
20	0.94	1.02	0.96
30	0.86	0.81	0.89
40	0.87	0.95	0.86
50	0.85	0.87	0.84
60	0.78	0.88	0.80
70	0.86	0.79	0.88
80	0.86	0.84	0.80
90	0.83	0.94	1.05
100	0.92	0.93	0.90
120	0.78	0.77	0.74
140	0.84	0.76	0.78
160	0.98	0.81	0.84
180	0.86	0.85	0.82
200	0.78	0.80	0.82
220	0.81	0.78	0.87
240	0.88	0.78	0.90
260	0.80	0.90	0.80
280	0.77	0.81	0.79
300	0.77	0.79	0.84
320	0.97	0.94	0.88
340	0.85	0.92	0.94
360	0.77	0.85	0.73
380	1.05	0.93	0.95
400	0.95	1.03	0.92
420	0.91	0.95	0.87
440	0.96	1.04	0.98
460	1.02	0.95	0.99
480	0.97	0.94	0.97
500	0.89	0.96	0.93
520	0.85	0.93	0.77
540	0.91	0.94	0.93
560	0.93	0.96	1.01
580	0.95	0.94	0.96
600	0.95	0.92	0.93
620	0.97	0.88	0.86
640	1.00	1.02	1.01
660	0.97	0.92	0.97
680	0.99	1.04	0.98
700	1.05	1.02	1.02
720	1.06	1.03	1.04
740	1.06	1.04	1.10
760	0.99	1.09	0.97
780	1.11	1.14	1.09
800	1.09	1.05	1.03
820	1.12	1.05	1.03
840	1.06	1.01	1.06
860	1.08	1.13	1.12
880	1.18	1.20	1.24
900	1.16	1.10	1.11
1000	1.26	1.33	1.31
1050	1.42	1.53	1.54

REV. X2  
SCLF-1000  
101117  
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

