

# 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

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# 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

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