

Surface Mount Low Pass Filter

SCLF-23+

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	0.08	0.13	0.04	41.77	36.44	46.40	41.58	36.43	46.57
10	0.18	0.24	0.15	34.04	31.65	35.07	38.65	41.87	34.45
11	0.19	0.25	0.17	31.20	29.58	32.20	34.66	37.83	31.87
12	0.21	0.27	0.19	29.30	28.14	30.32	31.93	34.28	30.14
13	0.22	0.28	0.20	28.17	27.30	29.27	30.31	32.16	29.19
14	0.24	0.30	0.23	27.86	27.17	29.13	29.80	31.44	29.20
15	0.27	0.33	0.26	28.40	27.73	29.97	30.57	32.24	30.47
16	0.27	0.34	0.26	29.68	28.82	31.78	33.42	35.79	33.76
17	0.29	0.36	0.28	30.41	28.83	31.67	39.77	48.64	37.06
18	0.32	0.39	0.32	27.70	26.20	27.65	33.40	33.78	30.27
19	0.36	0.43	0.37	23.91	22.86	23.61	26.55	26.81	24.87
20	0.42	0.49	0.44	21.06	20.32	20.92	22.77	23.10	21.66
21	0.48	0.55	0.51	19.80	19.29	19.90	20.96	21.39	20.23
22	0.56	0.63	0.60	21.07	20.81	21.69	21.17	21.52	20.74
23	0.69	0.78	0.74	24.84	25.35	23.71	19.93	19.34	19.36
24	1.15	1.29	1.31	13.55	13.32	12.26	11.89	11.31	11.09
25	2.72	2.96	3.12	6.08	5.94	5.47	5.51	5.25	5.03
26	6.10	6.41	6.74	2.51	2.45	2.30	2.25	2.17	2.09
27	10.69	11.01	11.41	1.11	1.10	1.09	0.98	0.96	0.96
28	15.63	15.93	16.37	0.60	0.60	0.62	0.51	0.52	0.55
29	20.59	20.88	21.32	0.39	0.40	0.43	0.33	0.34	0.37
30	25.52	25.81	26.25	0.30	0.30	0.32	0.24	0.26	0.29
31	30.51	30.81	31.28	0.24	0.27	0.26	0.19	0.21	0.24
32	35.68	35.97	36.51	0.21	0.24	0.22	0.17	0.17	0.21
33	41.20	41.51	42.13	0.20	0.24	0.20	0.14	0.15	0.18
34	47.55	47.74	48.66	0.18	0.23	0.17	0.12	0.14	0.16
35	55.14	55.54	57.52	0.18	0.24	0.16	0.12	0.12	0.15
36	69.23	69.48	73.72	0.17	0.24	0.14	0.10	0.12	0.14
37	69.21	70.99	65.05	0.16	0.24	0.14	0.09	0.10	0.13
38	63.15	65.23	61.65	0.17	0.25	0.12	0.09	0.10	0.13
39	63.47	64.80	61.61	0.17	0.26	0.13	0.09	0.10	0.12
40	63.98	66.27	62.12	0.17	0.26	0.11	0.08	0.09	0.11
50	61.43	59.92	67.77	0.19	0.34	0.09	0.07	0.09	0.09
60	59.79	58.26	67.19	0.22	0.38	0.09	0.06	0.08	0.08
70	59.92	57.78	73.02	0.23	0.41	0.10	0.06	0.09	0.10
80	59.72	57.31	75.31	0.25	0.44	0.11	0.07	0.09	0.10
90	58.70	56.04	76.29	0.27	0.46	0.09	0.06	0.09	0.08
100	57.44	54.69	73.23	0.29	0.48	0.11	0.06	0.09	0.09
110	56.09	53.42	70.33	0.31	0.49	0.12	0.07	0.09	0.10
120	55.16	52.33	67.33	0.32	0.50	0.12	0.07	0.08	0.09
130	54.44	51.44	65.19	0.33	0.49	0.12	0.09	0.10	0.12
140	53.47	50.54	63.19	0.35	0.50	0.13	0.09	0.10	0.12
150	52.88	49.90	61.95	0.35	0.51	0.12	0.09	0.10	0.12
200	50.72	47.19	58.02	0.42	0.55	0.14	0.10	0.12	0.12
300	64.50	52.06	62.47	0.54	0.58	0.17	0.12	0.14	0.15
320	53.47	65.70	50.97	0.58	0.60	0.18	0.13	0.15	0.16
400	37.15	34.34	39.57	0.62	0.67	0.23	0.17	0.18	0.20
500	49.61	43.66	58.04	0.98	0.85	0.40	0.24	0.27	0.29
600	7.68	7.00	7.42	4.40	5.50	4.22	8.32	8.09	8.64
700	20.98	19.68	21.19	0.57	0.79	0.32	0.27	0.30	0.27
800	23.83	21.99	24.05	0.58	0.71	0.27	0.18	0.23	0.22
900	24.67	22.45	24.81	0.59	0.70	0.25	0.18	0.24	0.23
1000	24.40	22.05	24.53	0.61	0.69	0.26	0.16	0.23	0.23

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Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
0.1	28.16	23.63	30.69
0.5	26.38	25.70	26.58
1.0	25.63	25.78	25.76
1.5	25.69	25.63	25.82
2.0	25.79	25.93	25.72
2.5	26.22	26.18	26.02
3.0	25.70	25.64	26.02
3.5	25.77	26.04	25.97
4.0	26.20	26.05	26.13
4.5	26.41	26.70	26.47
5.0	25.98	26.35	26.27
5.5	26.88	26.73	26.87
6.0	26.56	26.57	27.07
6.5	26.70	26.84	27.01
7.0	27.42	27.37	27.20
7.5	27.11	27.17	27.43
8.0	27.42	27.67	27.98
8.5	27.89	27.76	27.78
9.0	28.02	27.84	28.26
9.5	27.90	27.91	28.01
10.0	29.10	28.82	29.15
10.5	28.76	28.96	28.89
11.0	29.23	29.18	29.54
11.5	30.04	30.15	30.34
12.0	30.47	30.48	30.58
12.5	31.07	31.11	30.88
13.0	31.76	31.59	31.89
13.5	31.88	31.93	31.92
14.0	32.74	32.73	33.13
14.5	33.42	33.52	33.77
15.0	33.83	34.09	34.26
15.5	35.09	35.50	35.28
16.0	36.28	36.78	36.32
16.5	36.99	37.02	37.20
17.0	38.28	38.45	38.56
17.5	39.56	39.58	39.85
18.0	40.62	40.67	40.92
19.0	43.72	44.13	44.11
20.0	47.55	47.51	47.73
21.0	52.43	52.58	52.78
22.0	59.89	60.39	60.89
23.0	72.80	73.27	74.12
27.0	64.48	64.20	62.72
28.0	47.20	46.85	45.96
29.0	35.52	36.73	36.01
30.0	29.07	28.81	28.39
31.0	23.41	23.29	22.62
32.0	18.62	20.00	18.35
33.0	14.87	14.61	13.19
34.0	12.04	10.30	11.55
37.0	46.32	7.06	10.05
38.0	5.59	13.44	16.08
39.0	0.69	12.47	2.82
40.0	0.70	23.20	6.15

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