

Surface Mount Low Pass Filter

SCLF-4.7

Typical Performance Data

FREQ. (MHz)	INSERTION LOSS (dB)			INPUT RETURN LOSS (dB)			OUTPUT RETURNLOSS (dB)		
	@ -40° C	@ +25° C	@ +85° C	@ -40° C	@ +25° C	@ +85° C	@ -40° C	@ +25° C	@ +85° C
0.3	0.05	0.05	0.07	30.29	30.09	30.37	30.25	30.43	30.60
1.0	0.10	0.11	0.11	21.30	21.56	21.89	21.30	21.69	22.01
2.0	0.17	0.17	0.16	20.80	21.45	22.15	21.18	21.99	22.74
3.0	0.24	0.23	0.24	26.96	26.96	26.45	34.62	32.36	29.73
4.0	0.46	0.44	0.45	28.18	26.25	24.10	31.58	27.64	24.77
4.7	0.77	0.71	0.70	20.26	21.53	22.83	18.29	19.74	21.64
5.0	1.09	1.01	0.98	16.67	17.65	18.67	13.91	14.91	16.00
5.6	3.17	3.32	3.56	10.17	8.53	7.40	6.76	6.16	5.60
5.7	4.48	4.79	5.15	6.45	5.48	4.82	4.59	4.09	3.70
6.0	11.59	12.14	12.65	1.68	1.51	1.42	1.20	1.11	1.05
6.6	30.78	31.27	31.63	0.38	0.37	0.39	0.27	0.27	0.30
7.0	49.08	49.83	50.28	0.23	0.23	0.24	0.20	0.19	0.21
7.4	53.32	53.20	53.14	0.17	0.17	0.18	0.14	0.14	0.16
8.0	56.85	56.80	56.68	0.12	0.11	0.12	0.09	0.10	0.11
9.0	55.12	55.52	55.98	0.08	0.07	0.08	0.07	0.07	0.08
10.0	49.90	50.14	50.47	0.06	0.05	0.06	0.05	0.05	0.06
11.0	49.04	49.31	49.58	0.06	0.05	0.06	0.04	0.04	0.05
12.0	49.44	49.69	49.97	0.05	0.04	0.05	0.03	0.03	0.03
13.0	50.42	50.64	50.86	0.04	0.04	0.05	0.03	0.03	0.04
14.0	51.54	51.81	52.06	0.05	0.03	0.04	0.02	0.03	0.02
15.0	52.78	52.97	53.31	0.04	0.03	0.04	0.03	0.03	0.03
16.0	54.22	54.31	54.65	0.03	0.03	0.04	0.02	0.02	0.03
17.0	55.36	55.58	55.96	0.04	0.03	0.04	0.02	0.02	0.02
18.0	56.66	56.89	57.11	0.04	0.03	0.03	0.02	0.02	0.02
19.0	58.00	58.15	58.55	0.04	0.03	0.04	0.02	0.02	0.02
20.0	59.13	59.22	59.41	0.04	0.03	0.04	0.02	0.02	0.02
25.0	64.91	64.55	65.10	0.04	0.03	0.04	0.02	0.02	0.02
30.0	67.54	68.07	68.27	0.04	0.04	0.04	0.02	0.02	0.03
35.0	69.31	70.05	70.39	0.04	0.04	0.06	0.02	0.02	0.02
40.0	71.00	71.60	71.45	0.05	0.04	0.06	0.03	0.03	0.03
45.0	70.01	70.21	71.13	0.05	0.04	0.06	0.03	0.03	0.03
50.0	69.93	69.79	70.91	0.05	0.05	0.06	0.03	0.02	0.03
55.0	69.19	69.77	70.07	0.05	0.05	0.07	0.03	0.03	0.04
60.0	68.54	68.79	68.58	0.05	0.06	0.07	0.03	0.03	0.04
65.0	68.01	68.51	68.44	0.05	0.06	0.07	0.04	0.03	0.04
70.0	67.19	67.71	67.88	0.06	0.05	0.07	0.03	0.03	0.04
75.0	66.11	66.77	67.79	0.06	0.06	0.08	0.03	0.03	0.04
80.0	66.00	65.98	66.43	0.06	0.06	0.08	0.04	0.03	0.04
85.0	65.37	65.86	65.63	0.06	0.06	0.09	0.04	0.04	0.04
90.0	64.70	64.74	65.21	0.06	0.07	0.08	0.04	0.04	0.04
95.0	64.16	64.24	64.41	0.06	0.07	0.08	0.04	0.04	0.05
100.0	63.76	63.57	64.06	0.07	0.07	0.09	0.04	0.04	0.05
150.0	59.62	60.20	60.27	0.07	0.10	0.09	0.04	0.05	0.05
200.0	61.53	62.02	62.35	0.09	0.13	0.12	0.12	0.11	0.11
250.0	58.16	58.52	59.12	0.09	0.15	0.11	0.06	0.06	0.07
300.0	57.38	57.86	57.96	0.11	0.19	0.12	0.07	0.06	0.08
350.0	58.00	58.60	58.77	0.10	0.19	0.13	0.07	0.08	0.09
400.0	60.06	60.87	60.97	0.11	0.22	0.14	0.08	0.08	0.09
450.0	63.42	65.51	66.70	0.13	0.25	0.17	0.09	0.09	0.10
470.0	67.31	71.29	71.57	0.12	0.24	0.14	0.06	0.08	0.09
500.0	78.59	71.45	69.75	0.13	0.25	0.16	0.09	0.09	0.11
515.0	68.46	65.43	63.96	0.13	0.26	0.17	0.10	0.10	0.11
550.0	57.39	56.26	55.39	0.14	0.28	0.19	0.09	0.09	0.12
600.0	49.83	49.22	48.91	0.15	0.29	0.19	0.10	0.11	0.13

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Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
0.10	113.20	113.94	116.79
0.20	113.36	114.07	116.32
0.30	113.60	114.04	116.15
0.40	113.60	114.03	115.67
0.50	114.06	114.25	115.30
0.60	114.50	114.53	115.30
0.70	114.11	114.43	115.41
0.80	113.83	114.48	115.40
0.90	113.90	114.96	115.65
1.00	114.39	115.04	115.94
1.10	115.08	115.49	116.33
1.20	115.39	116.21	117.18
1.30	115.45	116.28	117.32
1.40	116.18	117.11	117.77
1.50	116.69	118.25	118.59
1.60	117.69	118.71	119.08
1.70	118.22	119.09	120.11
1.80	119.40	120.24	121.56
1.90	120.75	121.73	122.65
2.00	121.28	122.80	123.42
2.10	123.23	124.32	125.38
2.20	124.35	125.54	126.58
2.30	125.69	126.65	128.22
2.40	127.69	128.80	129.80
2.50	129.37	130.69	131.40
2.60	131.14	132.23	133.33
2.70	132.47	134.09	135.01
2.75	133.78	135.12	136.08
2.80	134.61	136.00	136.98
2.90	136.72	138.26	139.19
2.95	137.87	139.44	140.14
3.00	138.99	140.29	141.39
3.10	141.64	143.23	144.29
3.15	142.57	144.18	145.29
3.20	144.27	145.94	146.81
3.30	147.16	148.72	149.80
3.35	147.98	149.85	150.65
3.40	149.65	151.40	152.69
3.50	152.85	154.30	155.83
3.55	154.85	156.71	157.74
3.60	156.06	157.71	159.02
3.70	160.28	162.04	163.26
3.75	162.44	164.16	165.49
3.80	164.19	166.13	167.68
3.90	169.13	170.99	172.44
3.95	171.40	173.27	175.17
4.00	174.25	176.29	177.67
4.10	179.67	182.02	183.46
4.15	182.61	184.93	186.51
4.20	185.89	188.13	189.96
4.30	192.58	194.53	197.08
4.40	199.44	202.55	204.89
4.50	207.39	210.60	213.30
4.60	215.82	219.09	222.19
4.70	224.72	229.37	232.66

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