

Surface Mount Low Pass Filter

SCLF-10+

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	0.04	0.07	0.07	35.54	35.08	35.27	35.41	34.43	34.94
1.0	0.05	0.08	0.07	29.82	29.87	29.72	29.74	29.25	29.56
2.0	0.08	0.11	0.10	24.79	25.01	24.76	24.75	24.40	24.68
3.0	0.12	0.14	0.11	23.04	23.34	23.04	22.99	22.65	22.95
4.0	0.14	0.17	0.17	23.37	23.68	23.32	23.28	22.87	23.16
5.0	0.17	0.19	0.18	25.60	25.87	25.37	25.40	24.89	25.11
6.0	0.19	0.22	0.21	29.93	29.87	29.16	29.40	28.72	28.63
7.0	0.23	0.26	0.25	33.77	32.51	32.17	33.39	33.08	32.04
8.0	0.30	0.31	0.33	31.56	30.39	30.56	32.63	33.08	31.63
8.5	0.33	0.35	0.36	30.01	29.15	29.45	31.08	31.61	30.51
9.0	0.38	0.41	0.41	28.75	28.38	28.71	29.24	29.61	29.02
10.0	0.61	0.64	0.67	19.39	19.16	18.60	18.93	18.33	18.10
11.0	2.17	2.33	2.47	6.70	6.40	6.10	6.60	6.23	6.00
12.0	8.70	9.08	9.37	1.46	1.38	1.34	1.43	1.34	1.30
12.4	12.42	12.83	13.15	0.87	0.83	0.82	0.84	0.80	0.79
12.6	14.37	14.75	15.08	0.70	0.67	0.67	0.68	0.65	0.65
13.0	18.29	18.70	19.04	0.50	0.48	0.48	0.49	0.46	0.47
13.8	26.38	26.82	27.17	0.31	0.30	0.30	0.31	0.30	0.30
14.0	28.49	28.94	29.29	0.28	0.28	0.29	0.29	0.28	0.28
15.0	40.34	40.98	41.45	0.22	0.21	0.21	0.20	0.20	0.21
16.0	65.64	68.21	66.61	0.15	0.16	0.16	0.16	0.15	0.16
17.0	52.19	52.10	51.90	0.13	0.16	0.14	0.13	0.13	0.14
18.0	50.69	50.52	50.80	0.12	0.14	0.12	0.12	0.11	0.12
19.0	51.58	51.60	51.64	0.11	0.13	0.11	0.12	0.11	0.10
20.0	53.11	53.49	53.41	0.10	0.13	0.10	0.11	0.10	0.10
30.0	66.93	66.59	67.15	0.07	0.12	0.08	0.08	0.09	0.08
40.0	67.10	66.99	68.08	0.07	0.14	0.08	0.06	0.08	0.08
50.0	69.30	69.33	69.81	0.07	0.15	0.08	0.06	0.08	0.09
70.0	74.81	78.63	73.94	0.09	0.18	0.11	0.08	0.10	0.09
100.0	65.44	67.01	65.33	0.10	0.18	0.12	0.09	0.11	0.12
150.0	61.88	61.96	62.12	0.14	0.21	0.14	0.12	0.12	0.12
170.0	62.26	64.13	63.49	0.14	0.22	0.15	0.12	0.12	0.13
200.0	72.89	75.29	78.29	0.16	0.23	0.17	0.12	0.13	0.14
250.0	41.50	41.41	41.21	0.22	0.30	0.24	0.20	0.22	0.23
270.0	39.81	40.60	41.09	0.23	0.32	0.24	0.21	0.22	0.20
300.0	49.31	49.99	50.27	0.21	0.29	0.22	0.19	0.19	0.20
350.0	56.37	55.84	54.93	0.37	0.46	0.41	0.31	0.32	0.32
370.0	37.93	37.48	36.80	0.72	0.84	0.84	0.49	0.50	0.52
400.0	14.42	14.56	14.60	3.61	3.58	3.34	1.92	1.92	1.94
450.0	18.64	18.88	19.10	0.42	0.52	0.45	0.69	0.69	0.68
470.0	22.19	22.36	22.46	0.24	0.34	0.28	0.34	0.35	0.35
500.0	24.98	25.12	25.15	0.17	0.29	0.23	0.22	0.23	0.24
550.0	27.17	27.32	27.27	0.17	0.28	0.22	0.16	0.20	0.20
600.0	27.96	28.12	28.04	0.17	0.28	0.23	0.15	0.18	0.18
650.0	28.25	28.47	28.36	0.16	0.28	0.22	0.15	0.19	0.19
670.0	28.20	28.42	28.31	0.17	0.28	0.23	0.15	0.19	0.19
700.0	28.49	28.71	28.58	0.17	0.29	0.23	0.15	0.18	0.18
750.0	28.07	28.32	28.14	0.18	0.29	0.24	0.16	0.19	0.20
800.0	28.16	28.43	28.22	0.18	0.30	0.26	0.15	0.20	0.20
850.0	27.42	27.71	27.62	0.19	0.31	0.27	0.16	0.19	0.21
870.0	27.32	27.62	27.48	0.18	0.30	0.26	0.16	0.20	0.22
900.0	27.60	27.89	27.78	0.19	0.30	0.28	0.15	0.19	0.22
950.0	26.85	27.17	27.02	0.19	0.31	0.28	0.14	0.20	0.20
1000.0	26.72	26.96	26.84	0.19	0.32	0.30	0.17	0.23	0.24

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Surface Mount Low Pass Filter

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Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
0.1	61.88	58.66	61.10
0.5	60.41	59.87	60.43
0.8	60.08	60.01	60.17
1.0	60.10	59.85	60.05
1.5	60.23	59.79	60.22
1.8	60.27	60.47	60.68
2.0	60.26	60.33	60.59
2.5	61.57	61.64	61.47
2.8	61.36	61.75	61.55
3.0	61.74	61.68	61.90
3.5	62.99	62.64	62.55
3.8	63.67	63.72	63.70
4.0	64.67	64.44	64.64
4.5	65.84	66.13	66.15
4.8	67.18	67.23	67.39
5.0	67.81	67.58	67.95
5.5	70.34	70.48	70.40
5.8	71.76	71.93	72.14
6.0	72.83	72.90	73.07
6.2	74.12	74.17	74.25
6.5	75.88	76.22	75.98
6.8	77.93	78.26	78.14
7.0	79.79	80.00	80.20
7.2	81.15	81.43	81.39
7.5	84.30	84.26	84.39
7.8	87.09	87.64	87.63
8.0	89.94	89.89	90.14
8.2	92.64	92.64	92.65
8.5	97.12	97.20	97.48
8.8	102.21	102.52	102.78
9.0	106.31	106.56	106.74
9.2	111.22	111.23	111.72
9.5	120.01	120.05	120.43
9.8	131.55	131.82	132.50
10.0	140.93	141.02	142.57
10.2	151.62	152.50	153.36
10.5	169.87	170.09	171.23
10.8	187.49	187.12	187.96
11.0	194.22	194.47	193.96
11.2	196.68	196.26	195.53
11.5	187.50	186.67	185.42
11.8	167.81	166.84	165.16
12.0	151.51	150.50	148.66
12.2	136.24	135.04	133.57
12.5	114.59	113.61	112.97
12.8	96.85	97.64	95.48
13.0	88.11	87.36	86.49
13.2	78.94	79.16	78.23
13.5	69.19	68.85	67.57
13.8	60.56	60.29	59.74
14.0	55.34	55.43	54.55
14.2	50.87	50.56	50.05
14.5	43.99	43.98	42.83
14.8	35.82	35.60	33.74
15.0	29.00	27.89	26.01

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