

# Surface Mount Low Pass Filter

# SCLF-700+

## 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
0.3	0.01	0.01	0.01	52.49	56.49	54.43	51.71	58.18	55.07
20	0.04	0.03	0.04	31.97	31.19	30.53	31.78	31.14	30.48
30	0.05	0.04	0.05	28.58	27.85	27.25	28.45	27.82	27.20
40	0.06	0.05	0.06	26.10	25.46	24.92	25.98	25.43	24.92
50	0.06	0.06	0.07	24.16	23.63	23.17	24.03	23.62	23.17
60	0.07	0.07	0.08	22.60	22.18	21.82	22.46	22.17	21.81
70	0.09	0.09	0.10	21.23	20.93	20.68	21.10	20.93	20.66
80	0.09	0.09	0.11	20.09	19.90	19.76	19.99	19.92	19.74
90	0.11	0.12	0.13	19.12	19.03	19.00	19.00	19.07	18.99
200	0.26	0.26	0.25	14.30	14.85	15.65	14.18	14.88	15.63
400	0.18	0.23	0.27	20.39	20.07	19.00	20.81	20.21	19.24
500	0.24	0.29	0.33	19.12	19.74	19.31	19.89	19.90	19.66
600	0.39	0.46	0.51	15.44	15.62	15.76	15.58	15.57	15.76
700	0.58	0.69	0.75	13.73	13.53	13.46	13.90	14.21	14.24
770	2.10	2.28	2.47	5.60	5.55	5.39	6.06	6.00	5.94
800	4.32	4.59	4.82	2.82	2.78	2.76	3.18	3.06	3.10
900	16.39	16.80	17.02	0.46	0.53	0.58	0.62	0.61	0.69
1000	27.89	28.25	28.46	0.24	0.34	0.40	0.35	0.39	0.45
1200	58.09	61.57	58.60	0.15	0.29	0.36	0.22	0.32	0.39
1300	51.12	51.23	51.62	0.14	0.29	0.36	0.21	0.33	0.41
1400	49.56	49.40	50.16	0.13	0.29	0.38	0.20	0.34	0.42
1500	50.56	51.74	51.47	0.13	0.29	0.38	0.18	0.32	0.42
1600	52.00	52.19	53.09	0.12	0.28	0.39	0.16	0.30	0.41
1800	57.98	57.92	59.49	0.13	0.28	0.38	0.15	0.30	0.40
1900	60.35	61.59	62.64	0.13	0.27	0.40	0.14	0.29	0.38
2000	65.79	67.76	69.83	0.12	0.26	0.38	0.13	0.27	0.37
2200	61.76	61.85	60.37	0.10	0.25	0.35	0.10	0.24	0.35
2400	54.71	56.06	54.35	0.09	0.21	0.33	0.09	0.20	0.33
2500	59.90	55.43	57.05	0.06	0.20	0.29	0.07	0.20	0.31
2600	51.51	52.16	51.24	0.08	0.21	0.31	0.06	0.20	0.28
2800	50.38	48.05	49.34	0.08	0.22	0.30	0.07	0.18	0.30
2900	49.92	49.43	49.47	0.09	0.23	0.34	0.07	0.23	0.30
3000	50.44	49.39	48.11	0.12	0.25	0.36	0.10	0.26	0.34
3200	42.38	41.50	42.44	0.28	0.39	0.53	0.15	0.29	0.38
3400	58.45	58.27	63.11	0.15	0.28	0.42	0.13	0.27	0.38
3500	51.52	53.63	52.83	0.12	0.28	0.41	0.19	0.31	0.43
3600	53.22	57.40	53.18	0.15	0.32	0.44	0.15	0.30	0.42
3800	58.91	66.83	68.51	0.19	0.38	0.51	0.17	0.36	0.51
3900	55.46	53.70	53.31	0.22	0.41	0.56	0.27	0.41	0.60
4000	61.42	51.35	48.75	0.23	0.45	0.60	0.27	0.48	0.62
4200	42.94	40.64	38.24	0.28	0.49	0.71	0.34	0.57	0.76
4400	33.12	30.05	26.99	0.35	0.64	0.93	0.47	0.73	1.04
4500	26.47	24.00	20.17	0.42	0.77	1.31	0.49	0.84	1.34
4600	22.05	18.19	14.48	0.60	1.19	2.52	0.65	1.20	2.55
4800	10.32	10.03	14.55	3.44	3.13	1.84	3.89	3.65	1.79
4900	11.57	13.32	16.41	1.77	1.40	1.28	2.25	1.52	1.47
5000	13.12	14.77	16.94	1.01	1.19	1.29	1.27	1.21	1.33
5200	14.96	15.67	16.70	0.87	1.38	1.65	0.75	1.13	1.40
5400	12.52	13.53	13.86	2.38	4.21	5.28	1.62	2.05	2.79
5500	13.40	17.25	20.35	6.34	4.31	3.59	2.00	2.15	2.65
5600	29.00	26.57	27.07	1.29	1.36	1.56	2.58	4.14	5.40
5800	24.71	26.44	26.73	0.46	0.81	1.15	4.33	3.16	3.15
5900	23.98	24.17	23.92	0.46	0.81	1.17	1.47	1.90	2.18
6000	24.91	24.02	24.84	0.60	0.86	1.32	1.20	1.62	1.87

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# Surface Mount Low Pass Filter

# SCLF-700+

## Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
0.1	3.51	2.79	4.43
1	0.96	0.53	1.08
10	0.64	0.52	0.61
20	0.70	0.63	0.69
30	0.63	0.67	0.59
40	0.65	0.62	0.69
50	0.67	0.64	0.58
60	0.55	0.62	0.54
70	0.71	0.63	0.67
80	0.64	0.58	0.48
90	0.64	0.76	0.62
100	0.76	0.68	0.62
110	0.57	0.69	0.63
120	0.54	0.65	0.51
130	0.63	0.64	0.59
140	0.57	0.59	0.47
150	0.55	0.62	0.63
160	0.54	0.65	0.63
170	0.69	0.59	0.65
180	0.72	0.66	0.56
190	0.50	0.74	0.69
200	0.43	0.51	0.45
210	0.51	0.69	0.63
220	0.60	0.66	0.56
230	0.57	0.66	0.65
240	0.65	0.70	0.82
250	0.56	0.62	0.60
260	0.73	0.63	0.63
270	0.66	0.80	0.68
280	0.65	0.63	0.70
290	0.74	0.81	0.67
300	0.62	0.65	0.67
310	0.80	0.81	0.72
320	0.67	0.77	0.86
330	0.77	0.76	0.79
340	0.79	0.71	0.79
350	0.65	0.73	0.75
360	0.68	0.74	0.71
370	0.78	0.72	0.69
380	0.83	0.93	0.82
390	0.77	0.68	0.71
400	0.74	0.82	0.82
450	0.98	0.90	0.99
500	0.90	0.85	0.82
550	1.04	1.02	1.02
600	1.16	1.10	1.12
650	1.26	1.29	1.27
700	1.75	1.77	1.79
750	2.33	2.29	2.30
800	2.12	2.16	2.16
850	1.61	1.63	1.50
900	0.32	0.49	0.33
950	0.48	0.47	0.65
1000	0.19	0.05	0.20

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