

Surface Mount Low Pass Filter

SCLF-380

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	0.04	0.04	44.28	41.69	40.31	44.34	41.67	40.31
20	0.03	0.04	0.05	39.60	37.20	35.79	39.65	37.18	35.57
30	0.04	0.05	0.06	36.74	34.55	33.31	36.80	34.52	33.12
40	0.06	0.07	0.08	34.48	32.68	31.78	34.51	32.64	31.51
50	0.05	0.07	0.07	32.72	31.40	30.81	32.73	31.36	30.45
100	0.08	0.10	0.11	28.15	30.07	31.87	27.92	30.09	31.30
200	0.15	0.18	0.20	31.23	29.79	27.98	31.00	29.40	27.72
210	0.17	0.20	0.21	28.71	28.13	27.08	28.48	27.72	26.80
220	0.17	0.22	0.22	26.72	26.91	26.53	26.47	26.45	26.10
230	0.19	0.23	0.24	25.30	26.07	26.15	24.96	25.48	25.63
240	0.21	0.24	0.26	24.25	25.37	26.02	23.87	24.74	25.34
260	0.21	0.26	0.26	23.56	24.97	26.08	23.11	24.23	25.18
270	0.22	0.26	0.28	23.18	24.76	26.26	22.64	23.87	25.10
275	0.22	0.27	0.28	23.09	24.75	26.52	22.36	23.60	24.98
300	0.24	0.29	0.31	23.51	25.03	26.54	22.32	23.19	24.39
320	0.29	0.32	0.36	24.32	25.12	25.64	22.26	22.65	23.24
340	0.32	0.38	0.40	24.07	24.25	24.18	21.55	21.70	21.88
360	0.34	0.39	0.43	23.41	23.52	23.44	20.93	21.12	21.29
380	0.39	0.45	0.49	21.90	22.21	22.42	19.83	20.30	20.74
410	0.50	0.58	0.62	19.63	19.66	19.67	19.09	19.58	20.01
430	0.58	0.67	0.73	17.50	17.28	16.91	17.79	17.90	17.74
440	0.72	0.84	0.92	14.55	14.23	13.69	15.22	15.03	14.54
460	1.37	1.55	1.71	8.56	8.38	7.93	9.14	8.93	8.49
500	7.92	8.23	8.50	1.58	1.60	1.59	1.72	1.75	1.74
540	15.38	15.73	15.94	0.66	0.71	0.74	0.71	0.76	0.79
560	17.24	17.59	17.79	0.57	0.62	0.66	0.62	0.68	0.70
570	19.06	19.42	19.62	0.51	0.59	0.59	0.55	0.62	0.63
580	22.56	22.92	23.12	0.43	0.50	0.50	0.46	0.52	0.54
600	24.24	24.63	24.80	0.40	0.48	0.48	0.41	0.48	0.50
640	32.46	32.89	33.14	0.30	0.38	0.39	0.31	0.38	0.41
680	38.63	39.11	39.44	0.26	0.34	0.35	0.25	0.33	0.35
700	40.33	40.80	41.25	0.25	0.34	0.35	0.25	0.30	0.34
720	42.18	42.57	43.07	0.25	0.33	0.35	0.23	0.30	0.33
750	45.89	46.29	47.04	0.23	0.32	0.32	0.23	0.28	0.33
800	49.81	50.09	50.99	0.21	0.31	0.31	0.21	0.27	0.32
900	58.42	62.39	60.19	0.17	0.28	0.28	0.19	0.24	0.31
1000	61.51	58.62	60.31	0.14	0.24	0.27	0.15	0.23	0.28
1100	61.32	60.23	59.69	0.11	0.22	0.27	0.13	0.21	0.28
1200	63.69	62.71	62.41	0.10	0.22	0.27	0.13	0.21	0.29
1270	63.91	63.47	62.52	0.09	0.22	0.27	0.13	0.21	0.29
1300	67.65	66.73	70.12	0.10	0.22	0.28	0.13	0.22	0.30
1400	74.84	74.52	73.78	0.09	0.23	0.28	0.12	0.21	0.30
1500	76.61	76.10	78.15	0.11	0.24	0.30	0.14	0.22	0.31
1600	67.83	65.41	63.71	0.10	0.23	0.30	0.12	0.23	0.32
1700	59.51	60.55	58.02	0.11	0.23	0.32	0.12	0.22	0.31
1800	58.96	58.60	57.40	0.11	0.24	0.31	0.10	0.22	0.31
1900	56.68	56.38	55.13	0.11	0.25	0.34	0.10	0.24	0.31
2000	54.06	54.04	53.51	0.12	0.24	0.34	0.09	0.24	0.30
2100	52.96	54.36	52.84	0.12	0.25	0.34	0.09	0.23	0.29
2200	54.02	53.32	52.46	0.12	0.26	0.35	0.09	0.25	0.28
2300	51.29	51.04	50.32	0.14	0.26	0.34	0.09	0.24	0.28
2400	51.91	51.12	51.25	0.13	0.27	0.36	0.09	0.25	0.27
2500	50.12	50.03	49.17	0.13	0.26	0.33	0.10	0.26	0.26
2600	49.05	48.21	49.44	0.15	0.27	0.35	0.10	0.26	0.27

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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	4.50	1.53	4.54
1	1.29	1.03	1.26
10	1.36	1.41	1.25
20	1.54	1.43	1.48
30	1.31	1.38	1.33
40	1.46	1.47	1.45
50	1.41	1.37	1.33
60	1.35	1.27	1.44
70	1.40	1.42	1.30
80	1.24	1.40	1.38
90	1.50	1.41	1.47
100	1.50	1.50	1.48
110	1.42	1.37	1.49
120	1.25	1.46	1.22
130	1.46	1.49	1.50
140	1.43	1.37	1.43
150	1.48	1.45	1.48
160	1.44	1.52	1.46
170	1.56	1.45	1.48
180	1.73	1.44	1.53
190	1.51	1.60	1.59
200	1.40	1.60	1.39
210	1.66	1.65	1.66
220	1.53	1.69	1.54
230	1.73	1.60	1.58
240	1.65	1.72	1.74
250	1.68	1.71	1.68
260	1.67	1.72	1.69
270	1.71	1.89	1.90
280	1.76	1.75	1.68
290	1.87	1.88	1.82
300	1.92	1.89	1.76
310	2.00	2.10	2.07
320	2.05	2.14	2.03
330	2.04	2.06	2.06
340	2.16	2.07	2.23
350	2.19	2.30	2.24
360	2.35	2.34	2.25
370	2.39	2.41	2.50
380	2.69	2.84	2.84
390	2.81	2.88	2.94
392	2.86	3.00	2.95
395	2.85	2.93	2.95
398	3.02	2.98	3.05
400	3.14	3.16	3.18
402	3.12	3.12	3.05
405	3.24	3.27	3.25
408	3.43	3.41	3.37
500	1.95	2.05	1.95
502	2.09	2.24	2.13
505	2.06	1.91	1.90
508	1.73	2.32	1.75
600	0.30	0.47	0.35

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