

Surface Mount Low Pass Filter

SALF-116+

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
1	0.06	0.04	0.06	42.51	46.90	43.55	43.03	46.94	43.76
10	0.09	0.07	0.09	38.41	40.60	38.86	41.84	44.77	41.94
20	0.12	0.10	0.12	34.79	35.68	34.54	46.47	49.33	43.53
30	0.14	0.13	0.15	31.73	31.61	30.95	39.21	40.09	38.24
40	0.16	0.16	0.18	28.13	27.72	27.58	30.42	31.43	31.11
50	0.19	0.19	0.21	24.49	24.29	24.55	25.11	26.09	26.23
60	0.22	0.22	0.25	21.64	21.70	22.23	21.71	22.63	23.03
70	0.26	0.26	0.29	19.92	20.19	20.88	19.81	20.65	21.21
80	0.29	0.30	0.33	19.72	20.14	20.96	19.54	20.34	21.03
90	0.30	0.32	0.35	21.93	22.53	23.49	21.81	22.61	23.51
100	0.32	0.35	0.39	29.74	30.95	31.13	33.39	34.59	37.37
116	0.49	0.53	0.58	17.38	17.49	17.65	17.54	17.87	18.02
120	0.56	0.61	0.66	15.43	15.58	15.83	15.35	15.69	15.87
130	0.79	0.86	0.93	13.33	13.49	13.75	12.41	12.58	12.62
142	1.90	2.10	2.28	8.10	8.00	7.85	6.75	6.58	6.37
150	5.41	5.70	5.94	2.88	2.94	2.94	2.31	2.32	2.29
160	12.63	12.90	13.12	0.82	0.91	0.96	0.61	0.67	0.70
170	20.01	20.26	20.47	0.37	0.45	0.47	0.29	0.33	0.36
182	28.13	28.38	28.61	0.22	0.28	0.30	0.20	0.23	0.26
190	33.15	33.43	33.67	0.18	0.23	0.25	0.18	0.19	0.23
205	41.89	42.19	42.46	0.13	0.18	0.19	0.17	0.17	0.20
220	49.41	49.71	49.96	0.12	0.15	0.16	0.17	0.15	0.19
280	55.82	55.87	55.89	0.10	0.13	0.13	0.20	0.15	0.19
300	54.48	54.62	54.72	0.10	0.13	0.13	0.21	0.15	0.19
380	52.00	51.98	51.99	0.09	0.12	0.13	0.23	0.16	0.21
400	51.56	51.56	51.58	0.10	0.12	0.13	0.23	0.16	0.21
500	50.79	50.82	50.76	0.09	0.12	0.13	0.25	0.17	0.23
600	51.79	51.88	51.77	0.09	0.12	0.14	0.25	0.17	0.24
700	57.79	58.28	58.31	0.09	0.13	0.14	0.26	0.18	0.25
800	54.83	54.31	53.86	0.10	0.14	0.16	0.26	0.20	0.26
825	49.90	49.55	49.10	0.10	0.13	0.16	0.27	0.20	0.27
850	46.13	45.86	45.50	0.09	0.13	0.16	0.27	0.21	0.27
900	39.45	39.24	38.88	0.10	0.15	0.17	0.27	0.22	0.29
1000	25.13	24.77	24.12	0.17	0.24	0.29	0.38	0.37	0.47
1100	23.94	24.38	24.66	0.17	0.23	0.27	0.38	0.34	0.42
1200	32.52	32.79	32.85	0.12	0.19	0.24	0.31	0.30	0.39
1300	42.12	42.70	42.93	0.12	0.21	0.27	0.35	0.37	0.47
1400	37.93	37.52	37.09	0.14	0.24	0.32	0.50	0.57	0.70
1500	23.79	23.61	23.35	0.19	0.31	0.41	1.40	1.71	1.98
1600	19.09	19.32	19.58	0.26	0.39	0.50	2.73	2.83	2.90
1700	24.94	25.22	25.70	0.25	0.40	0.53	0.77	0.78	0.91
1800	31.88	32.33	32.87	0.26	0.42	0.57	0.52	0.55	0.70
1900	48.17	45.48	43.33	0.30	0.47	0.64	0.46	0.52	0.68
2000	28.61	27.83	27.24	0.34	0.54	0.74	0.46	0.55	0.73
2100	21.07	20.42	19.91	0.43	0.67	0.90	0.50	0.62	0.84
2200	15.26	14.58	14.01	0.66	1.00	1.36	0.64	0.84	1.13
2300	9.73	8.96	8.44	1.38	2.19	3.31	1.06	1.49	2.05
2400	4.71	4.86	6.92	4.55	9.71	16.87	2.66	3.51	3.29
2500	5.00	9.64	8.43	8.61	15.52	22.62	2.87	1.90	2.37
2600	7.17	10.40	8.16	6.84	7.91	14.27	1.66	1.81	3.04
2700	6.53	4.22	4.29	11.30	13.57	9.46	2.77	4.31	4.35
2800	3.86	4.44	4.90	4.84	4.90	5.03	3.15	3.13	3.22
2900	4.92	5.27	5.66	3.15	3.72	4.14	2.31	2.55	2.76
3000	5.54	5.74	6.05	2.31	2.89	3.33	1.78	2.06	2.29

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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	4.90	5.21	5.13
1	5.19	5.16	5.19
2	5.17	5.05	5.13
3	5.13	5.11	5.12
4	5.11	5.09	5.15
5	5.13	5.09	5.12
6	5.10	5.06	5.11
7	5.09	5.07	5.12
8	5.08	5.07	5.10
9	5.09	5.08	5.10
10	5.10	5.07	5.11
11	5.09	5.07	5.10
12	5.08	5.07	5.09
13	5.08	5.07	5.10
14	5.08	5.07	5.10
15	5.10	5.08	5.11
16	5.09	5.07	5.10
17	5.10	5.09	5.11
18	5.10	5.09	5.11
19	5.11	5.09	5.12
20	5.11	5.11	5.12
21	5.12	5.11	5.13
22	5.12	5.11	5.14
23	5.12	5.12	5.13
24	5.13	5.12	5.14
25	5.14	5.13	5.15
26	5.15	5.14	5.15
27	5.16	5.14	5.16
28	5.16	5.15	5.16
29	5.16	5.15	5.17
30	5.18	5.18	5.19
31	5.19	5.19	5.20
32	5.19	5.19	5.20
33	5.21	5.20	5.21
34	5.22	5.22	5.24
35	5.23	5.22	5.23
36	5.24	5.24	5.26
37	5.25	5.24	5.26
38	5.27	5.26	5.28
39	5.26	5.27	5.27
40	5.30	5.28	5.30
45	5.36	5.35	5.37
50	5.44	5.43	5.45
60	5.62	5.62	5.65
70	5.86	5.85	5.88
80	6.20	6.17	6.21
90	6.67	6.64	6.69
100	7.31	7.29	7.34
105	7.71	7.68	7.72
110	8.14	8.11	8.16
116	8.72	8.68	8.77
120	9.22	9.16	9.28
130	11.27	11.13	11.41

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