

Surface Mount Low Pass Filter

SALF-396+

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	0.02	0.05	0.06	51.68	44.58	43.43	52.89	45.06	43.86
10	0.03	0.06	0.07	41.29	39.35	38.32	41.59	39.27	38.27
20	0.04	0.07	0.08	35.90	34.79	33.79	36.24	34.68	33.69
30	0.05	0.09	0.09	32.71	31.88	31.00	32.93	31.66	30.75
40	0.06	0.10	0.11	30.36	29.77	29.00	30.47	29.47	28.68
50	0.07	0.11	0.12	28.47	28.10	27.51	28.54	27.76	27.14
60	0.08	0.12	0.13	26.90	26.75	26.35	26.91	26.37	25.93
70	0.09	0.13	0.14	25.49	25.60	25.42	25.54	25.23	24.99
80	0.10	0.14	0.15	24.26	24.58	24.62	24.37	24.30	24.27
90	0.11	0.16	0.16	23.16	23.73	23.99	23.32	23.46	23.68
100	0.12	0.17	0.18	22.18	22.96	23.47	22.38	22.73	23.17
110	0.13	0.18	0.19	21.34	22.31	23.05	21.52	22.07	22.73
120	0.15	0.19	0.20	20.61	21.74	22.70	20.75	21.47	22.34
130	0.16	0.20	0.21	19.98	21.26	22.40	20.05	20.91	21.96
140	0.16	0.21	0.21	19.42	20.80	22.12	19.44	20.42	21.62
150	0.18	0.22	0.22	18.98	20.43	21.90	18.93	19.99	21.30
200	0.23	0.28	0.28	17.95	19.36	20.86	18.00	19.03	20.43
300	0.26	0.36	0.39	24.10	23.64	22.93	24.25	23.56	22.89
320	0.27	0.37	0.41	27.80	26.69	25.07	28.14	26.94	25.30
396	0.41	0.55	0.62	35.26	34.48	32.24	37.26	36.82	35.85
400	0.42	0.57	0.63	35.25	34.22	31.44	36.26	36.01	33.84
420	0.53	0.70	0.78	23.78	23.21	22.24	23.42	23.42	22.48
458	1.75	2.08	2.26	8.00	7.74	7.63	7.99	7.83	7.71
500	8.50	9.10	9.46	1.47	1.55	1.59	1.48	1.58	1.61
505	9.72	10.33	10.70	1.22	1.31	1.36	1.23	1.34	1.38
540	18.97	19.57	20.00	0.48	0.61	0.66	0.49	0.62	0.67
565	26.10	26.70	27.18	0.35	0.47	0.52	0.34	0.47	0.52
600	38.67	39.37	39.96	0.28	0.39	0.44	0.27	0.40	0.44
620	50.62	52.00	52.68	0.26	0.37	0.41	0.25	0.38	0.42
700	47.15	47.49	47.93	0.20	0.30	0.34	0.21	0.34	0.38
800	65.34	67.74	70.28	0.17	0.25	0.29	0.20	0.33	0.37
900	50.40	50.04	49.84	0.16	0.23	0.26	0.20	0.33	0.37
1000	45.89	45.73	45.63	0.15	0.21	0.24	0.20	0.34	0.38
1100	43.97	43.98	43.83	0.14	0.20	0.23	0.20	0.34	0.38
1200	43.05	43.10	42.96	0.13	0.19	0.22	0.19	0.34	0.39
1300	45.49	45.63	45.41	0.13	0.18	0.22	0.19	0.35	0.40
1400	59.18	60.35	60.66	0.12	0.18	0.22	0.19	0.36	0.42
1430	51.40	50.70	50.18	0.12	0.18	0.23	0.19	0.36	0.42
1500	34.77	34.47	34.12	0.14	0.21	0.27	0.24	0.42	0.49
1600	15.17	14.44	13.60	0.63	0.85	1.11	1.28	1.86	2.43
1700	17.66	18.23	18.65	0.28	0.36	0.42	0.44	0.63	0.69
1800	21.39	21.72	21.90	0.20	0.29	0.38	0.30	0.50	0.59
1900	22.17	22.39	22.50	0.22	0.33	0.44	0.29	0.50	0.61
2000	22.48	22.68	22.75	0.24	0.36	0.49	0.29	0.52	0.65
2100	22.44	22.61	22.67	0.26	0.39	0.54	0.31	0.55	0.70
2200	22.68	22.87	22.90	0.30	0.44	0.61	0.34	0.59	0.75
2300	22.92	23.14	23.19	0.31	0.46	0.65	0.36	0.62	0.81
2400	23.52	23.74	23.77	0.32	0.48	0.69	0.37	0.63	0.84
2500	24.85	25.04	25.10	0.31	0.48	0.70	0.38	0.65	0.87
2600	28.82	28.96	29.02	0.31	0.49	0.72	0.39	0.66	0.89
2700	45.93	47.43	46.44	0.37	0.55	0.77	0.41	0.67	0.91
2800	20.43	20.89	20.99	0.43	0.63	0.87	0.55	0.83	1.10
2900	9.94	9.87	9.77	1.02	1.34	1.68	1.48	1.91	2.34
3000	2.72	3.00	3.30	6.46	6.93	7.13	13.26	16.74	19.43

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Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
1	1.21	1.21	1.21
10	1.22	1.22	1.22
20	1.20	1.21	1.21
30	1.20	1.21	1.21
40	1.20	1.21	1.20
50	1.20	1.21	1.20
60	1.21	1.21	1.21
70	1.21	1.21	1.21
80	1.22	1.22	1.21
90	1.22	1.22	1.22
100	1.23	1.23	1.23
110	1.23	1.24	1.24
120	1.24	1.25	1.25
130	1.25	1.26	1.26
140	1.27	1.27	1.28
150	1.28	1.29	1.29
160	1.30	1.30	1.31
170	1.31	1.32	1.32
180	1.32	1.33	1.34
200	1.36	1.36	1.37
210	1.38	1.39	1.40
220	1.41	1.42	1.43
230	1.45	1.45	1.46
240	1.48	1.48	1.49
250	1.51	1.52	1.52
260	1.55	1.55	1.55
270	1.58	1.59	1.59
280	1.62	1.63	1.63
290	1.67	1.67	1.68
300	1.73	1.73	1.73
310	1.79	1.79	1.79
320	1.85	1.85	1.86
330	1.91	1.92	1.93
340	1.98	2.00	2.00
350	2.06	2.08	2.09
396	2.64	2.66	2.68
400	2.71	2.74	2.76
450	4.35	4.39	4.42
458	4.61	4.63	4.65
460	4.67	4.68	4.69
470	4.83	4.78	4.78
480	4.76	4.66	4.63
490	4.43	4.29	4.25
500	3.90	3.77	3.71
505	3.61	3.48	3.42
540	2.13	2.07	2.03
565	1.70	1.64	1.60
600	0.74	0.74	0.65
650	3.21	2.45	0.68
700	0.30	0.14	0.21
750	0.48	0.44	0.35
800	6.85	12.05	15.73
850	0.11	0.03	0.23
900	0.01	0.31	0.80

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