

Surface Mount Low Pass Filter

SALF-325+

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	0.03	0.03	0.03	49.48	50.00	48.19	50.28	50.76	48.94
10	0.04	0.04	0.05	39.74	40.73	41.36	39.88	40.78	41.58
20	0.05	0.06	0.06	33.95	34.90	35.78	34.04	34.81	35.80
30	0.07	0.07	0.08	30.65	31.48	32.28	30.76	31.39	32.30
40	0.08	0.08	0.09	28.52	29.18	29.82	28.71	29.14	29.90
50	0.09	0.10	0.11	27.10	27.58	28.01	27.34	27.59	28.13
60	0.10	0.11	0.12	26.21	26.47	26.66	26.47	26.49	26.79
70	0.11	0.12	0.13	25.76	25.76	25.69	26.01	25.74	25.78
80	0.12	0.13	0.15	25.67	25.38	25.02	25.84	25.28	25.01
90	0.12	0.14	0.16	25.90	25.27	24.58	26.02	25.12	24.54
100	0.13	0.15	0.17	26.52	25.51	24.47	26.59	25.31	24.37
110	0.14	0.16	0.18	27.56	26.08	24.63	27.60	25.84	24.51
120	0.14	0.17	0.20	29.16	27.07	25.13	29.20	26.79	25.02
130	0.15	0.18	0.21	31.57	28.61	26.06	31.59	28.33	25.98
150	0.16	0.20	0.22	44.15	35.27	30.11	38.23	33.97	29.88
200	0.22	0.27	0.30	25.68	26.12	27.13	25.41	25.87	26.80
250	0.30	0.37	0.42	21.92	21.07	20.13	22.39	21.36	20.45
300	0.38	0.47	0.54	24.96	24.66	23.50	27.84	27.34	26.03
325	0.46	0.58	0.67	26.28	26.24	25.81	28.28	28.54	28.40
350	0.65	0.81	0.93	20.88	21.30	21.40	20.06	20.12	19.94
383	2.72	3.13	3.46	5.53	5.44	5.34	5.41	5.29	5.16
400	6.43	7.03	7.53	2.17	2.22	2.21	2.13	2.16	2.14
450	21.02	21.62	22.23	0.36	0.46	0.51	0.36	0.46	0.51
480	29.15	29.68	30.27	0.25	0.34	0.38	0.27	0.35	0.39
500	34.00	34.50	35.04	0.22	0.30	0.34	0.24	0.31	0.36
540	41.77	42.15	42.56	0.18	0.25	0.28	0.21	0.27	0.31
550	43.29	43.64	43.99	0.17	0.24	0.27	0.21	0.26	0.30
580	46.63	46.88	47.03	0.16	0.22	0.25	0.21	0.25	0.29
590	47.33	47.51	47.57	0.16	0.21	0.24	0.21	0.25	0.29
600	47.80	47.95	47.98	0.15	0.21	0.24	0.21	0.25	0.29
650	48.73	48.73	48.57	0.14	0.19	0.22	0.21	0.24	0.27
700	48.05	48.14	47.93	0.13	0.18	0.21	0.21	0.23	0.27
750	47.51	47.57	47.36	0.13	0.17	0.20	0.21	0.23	0.27
775	47.60	47.70	47.45	0.13	0.18	0.20	0.22	0.24	0.27
800	46.64	46.76	46.54	0.13	0.17	0.20	0.21	0.23	0.27
850	46.47	46.65	46.39	0.12	0.16	0.19	0.22	0.23	0.27
900	46.36	46.59	46.38	0.12	0.16	0.19	0.21	0.23	0.27
950	46.73	46.92	46.64	0.12	0.16	0.19	0.22	0.24	0.28
1000	47.37	47.70	47.46	0.12	0.16	0.19	0.22	0.24	0.28
1050	48.41	48.73	48.52	0.11	0.16	0.19	0.22	0.24	0.28
1100	51.37	51.97	51.71	0.11	0.17	0.20	0.21	0.24	0.29
1150	53.40	54.48	54.52	0.11	0.17	0.21	0.22	0.25	0.30
1200	74.31	69.28	68.23	0.11	0.17	0.21	0.21	0.25	0.30
1240	54.10	53.09	52.52	0.11	0.17	0.22	0.21	0.25	0.32
1300	42.82	42.40	41.99	0.11	0.19	0.24	0.21	0.27	0.33
1400	32.90	32.55	32.04	0.13	0.21	0.28	0.24	0.31	0.39
1500	21.56	20.95	20.10	0.25	0.38	0.52	0.41	0.56	0.75
1600	12.68	14.16	15.37	0.84	0.80	0.78	1.33	1.18	1.12
1700	22.97	23.44	23.84	0.23	0.35	0.46	0.35	0.45	0.56
1800	27.69	28.01	28.23	0.23	0.36	0.49	0.34	0.45	0.58
1900	31.66	31.94	32.09	0.26	0.40	0.55	0.34	0.47	0.62
2000	38.14	38.70	38.95	0.29	0.45	0.62	0.36	0.51	0.68
2500	2.20	2.57	2.93	6.22	6.27	6.39	6.43	6.62	6.87
3000	3.72	3.93	4.23	3.12	3.61	4.02	3.28	3.67	4.02

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Surface Mount Low Pass Filter

SALF-325+

Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
0.1	1.56	1.70	1.75
1	1.82	1.84	1.84
10	1.82	1.83	1.84
20	1.81	1.82	1.82
30	1.81	1.82	1.82
40	1.81	1.82	1.82
50	1.82	1.82	1.82
60	1.83	1.83	1.83
70	1.84	1.84	1.84
80	1.85	1.85	1.86
90	1.87	1.87	1.87
100	1.89	1.89	1.89
110	1.91	1.91	1.91
120	1.93	1.93	1.93
130	1.96	1.96	1.96
140	1.99	1.99	2.00
150	2.03	2.03	2.03
200	2.24	2.25	2.26
250	2.58	2.59	2.60
300	3.23	3.25	3.28
325	3.77	3.81	3.85
350	4.79	4.87	4.94
360	5.43	5.53	5.61
370	6.15	6.24	6.32
380	6.66	6.66	6.69
383	6.69	6.66	6.66
390	6.51	6.39	6.32
400	5.67	5.49	5.36
410	4.65	4.46	4.33
420	3.79	3.64	3.52
430	3.18	3.06	2.97
440	2.75	2.66	2.57
450	2.41	2.34	2.27
460	2.09	2.04	1.98
470	1.81	1.77	1.72
480	1.57	1.54	1.50
500	1.25	1.26	1.22
510	1.18	1.20	1.18
520	1.22	1.21	1.18
530	1.18	1.17	1.19
540	1.15	1.15	1.18
550	1.10	1.09	1.06
560	1.08	1.05	1.03
570	0.90	0.92	0.99
580	0.87	0.87	0.76
590	0.79	0.79	0.92
600	0.75	0.73	0.72
650	0.34	0.34	0.41
700	0.38	0.42	0.33
750	0.32	0.36	0.38
775	0.72	0.65	0.65
800	0.75	0.69	0.63
850	0.18	0.24	0.19
900	0.58	0.24	0.08

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