

Surface Mount Low Pass Filter

SALF-265

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	0.02	0.05	53.97	51.39	44.47	55.24	51.38	44.42
50	0.08	0.10	0.13	29.05	29.36	29.09	29.25	29.59	30.66
60	0.09	0.11	0.14	28.50	28.51	27.95	28.77	28.77	29.56
70	0.10	0.12	0.16	28.48	28.10	27.23	28.82	28.40	28.83
80	0.11	0.13	0.17	28.94	28.09	26.83	29.36	28.39	28.40
90	0.11	0.14	0.18	29.82	28.39	26.69	30.53	28.87	28.36
100	0.12	0.15	0.19	31.18	29.14	26.95	32.64	29.95	28.79
110	0.13	0.16	0.21	32.75	30.29	27.59	36.29	31.81	29.78
120	0.14	0.17	0.22	33.64	31.68	28.66	42.09	34.80	31.47
130	0.15	0.18	0.23	33.00	32.67	30.17	40.41	38.91	34.02
140	0.16	0.19	0.24	31.21	32.46	31.89	34.64	38.67	36.37
150	0.17	0.21	0.25	29.46	31.01	32.78	31.11	34.24	35.48
160	0.18	0.22	0.27	28.10	29.29	31.90	28.97	30.91	32.35
170	0.19	0.24	0.29	27.25	27.93	30.14	27.74	28.80	29.75
180	0.21	0.26	0.30	26.99	27.11	28.60	27.16	27.55	27.98
190	0.22	0.28	0.33	27.34	26.88	27.62	27.14	26.97	26.91
200	0.23	0.29	0.35	28.45	27.35	27.34	27.68	27.05	26.52
210	0.25	0.31	0.37	30.73	28.81	27.93	28.85	27.91	26.90
220	0.26	0.33	0.39	34.76	31.88	29.64	30.37	29.72	28.23
230	0.28	0.35	0.41	38.49	39.29	33.48	31.33	32.52	31.12
240	0.31	0.38	0.44	33.19	41.01	39.99	30.19	33.82	36.30
250	0.33	0.41	0.48	28.49	30.88	32.94	27.79	30.30	34.27
265	0.40	0.49	0.57	24.02	24.25	24.53	23.88	24.23	24.78
280	0.52	0.64	0.74	18.96	18.74	18.43	18.33	18.06	17.74
290	0.74	0.88	1.00	14.33	14.22	14.00	13.59	13.40	13.11
308	2.14	2.37	2.55	6.54	6.56	6.55	6.01	5.96	5.86
320	4.46	4.78	5.01	3.29	3.35	3.39	2.90	2.91	2.88
330	7.23	7.61	7.89	1.82	1.91	1.96	1.52	1.57	1.57
340	10.43	10.86	11.18	1.06	1.17	1.22	0.83	0.90	0.92
350	13.81	14.26	14.62	0.69	0.80	0.84	0.51	0.58	0.62
360	17.23	17.70	18.08	0.50	0.60	0.64	0.35	0.43	0.47
370	20.62	21.09	21.50	0.39	0.49	0.52	0.27	0.35	0.39
380	23.93	24.39	24.82	0.33	0.42	0.45	0.23	0.30	0.35
390	27.14	27.59	28.03	0.29	0.38	0.41	0.21	0.27	0.33
400	30.23	30.67	31.12	0.26	0.35	0.37	0.19	0.26	0.32
410	33.18	33.61	34.05	0.24	0.32	0.34	0.18	0.24	0.31
420	35.99	36.41	36.85	0.22	0.29	0.32	0.17	0.23	0.30
430	38.66	39.06	39.49	0.20	0.27	0.30	0.16	0.22	0.29
440	41.19	41.55	41.97	0.19	0.26	0.28	0.16	0.22	0.29
470	47.27	47.64	47.86	0.17	0.23	0.25	0.15	0.21	0.30
490	49.65	49.96	50.10	0.16	0.23	0.24	0.16	0.21	0.30
550	50.33	50.69	50.46	0.14	0.20	0.22	0.15	0.20	0.31
625	48.44	48.85	48.52	0.13	0.18	0.20	0.16	0.20	0.32
825	46.85	47.30	46.99	0.12	0.16	0.18	0.18	0.22	0.35
950	49.04	49.56	49.29	0.12	0.16	0.18	0.18	0.22	0.36
1000	51.89	52.36	52.45	0.12	0.17	0.19	0.18	0.22	0.36
1100	58.42	57.85	56.94	0.12	0.18	0.20	0.18	0.23	0.38
1200	40.98	40.64	40.46	0.12	0.19	0.23	0.19	0.25	0.40
1300	29.73	29.52	29.16	0.15	0.22	0.28	0.23	0.31	0.48
1400	12.84	12.02	11.36	0.94	1.33	1.75	1.55	2.21	3.10
1500	20.48	21.06	21.50	0.24	0.33	0.41	0.35	0.44	0.61
2000	22.09	21.62	21.23	0.33	0.51	0.67	1.90	2.36	2.95
2500	8.37	7.88	7.54	1.47	1.97	2.47	1.36	1.89	2.52
3000	4.92	5.15	5.57	2.39	2.85	3.23	2.00	2.28	2.54

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Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
0.1	2.13	2.13	2.20
0.2	2.09	2.09	2.21
0.3	2.19	2.19	2.24
0.4	2.21	2.21	2.23
0.5	2.21	2.21	2.25
0.6	2.21	2.22	2.24
0.7	2.21	2.22	2.24
0.8	2.21	2.22	2.24
0.9	2.22	2.22	2.24
1.0	2.22	2.23	2.24
40	2.20	2.20	2.21
50	2.21	2.21	2.22
60	2.22	2.23	2.23
70	2.25	2.25	2.25
80	2.27	2.27	2.27
90	2.30	2.30	2.31
100	2.34	2.34	2.34
110	2.37	2.37	2.38
120	2.42	2.42	2.42
130	2.47	2.47	2.47
140	2.52	2.53	2.53
150	2.58	2.59	2.60
160	2.65	2.66	2.67
170	2.72	2.73	2.74
180	2.81	2.82	2.83
190	2.91	2.91	2.93
200	3.02	3.03	3.04
210	3.16	3.16	3.17
220	3.31	3.32	3.33
230	3.48	3.50	3.51
240	3.69	3.71	3.73
250	3.94	3.96	3.99
265	4.45	4.49	4.52
280	5.26	5.30	5.34
290	6.03	6.08	6.12
308	7.31	7.33	7.35
320	7.01	6.96	6.96
330	6.07	5.98	5.96
340	5.04	4.93	4.90
350	4.15	4.05	4.00
360	3.43	3.33	3.28
370	2.86	2.78	2.72
380	2.40	2.33	2.28
390	2.05	2.00	1.95
400	1.82	1.77	1.72
410	1.67	1.64	1.59
420	1.62	1.56	1.55
430	1.60	1.54	1.53
440	1.58	1.50	1.46
470	1.32	1.22	1.17
490	1.09	1.07	1.05
550	0.66	0.61	0.63
625	0.54	0.46	0.66
900	0.14	0.75	0.32

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