

Surface Mount Low Pass Filter

SALF-490

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	0.07	0.05	49.04	41.52	44.86	50.77	41.90	45.47
10	0.04	0.08	0.06	40.81	38.79	41.10	40.97	39.37	41.46
20	0.04	0.09	0.07	35.22	34.90	36.52	35.21	35.51	36.77
30	0.05	0.10	0.08	31.83	31.87	33.21	31.84	32.57	33.48
40	0.06	0.11	0.09	29.41	29.58	30.69	29.50	30.33	31.04
50	0.07	0.12	0.10	27.65	27.71	28.64	27.80	28.59	29.07
60	0.08	0.13	0.11	26.28	26.23	26.96	26.49	27.18	27.42
70	0.09	0.14	0.12	25.23	25.02	25.57	25.45	25.99	26.02
80	0.09	0.15	0.14	24.43	24.04	24.38	24.58	24.94	24.76
90	0.10	0.16	0.15	23.77	23.21	23.35	23.90	24.07	23.68
100	0.11	0.18	0.16	23.26	22.51	22.46	23.36	23.34	22.75
200	0.17	0.26	0.28	22.07	20.20	19.09	22.45	21.34	19.52
300	0.21	0.31	0.33	27.42	27.50	27.87	28.02	29.73	29.10
400	0.30	0.43	0.48	24.25	23.85	22.40	24.40	24.29	22.61
460	0.42	0.57	0.63	19.01	19.16	18.77	19.30	20.12	19.35
470	0.44	0.60	0.66	18.62	18.78	18.52	18.98	19.84	19.19
480	0.47	0.63	0.69	18.29	18.44	18.30	18.69	19.57	19.04
490	0.49	0.65	0.72	17.97	18.10	18.06	18.39	19.26	18.83
500	0.51	0.68	0.75	17.64	17.74	17.79	18.04	18.84	18.51
505	0.53	0.70	0.77	17.46	17.53	17.64	17.84	18.61	18.32
510	0.54	0.72	0.79	17.27	17.32	17.46	17.61	18.34	18.10
520	0.58	0.76	0.84	16.80	16.81	17.01	17.10	17.72	17.55
640	6.47	7.09	7.60	2.28	2.38	2.40	2.24	2.34	2.37
680	13.57	14.20	14.81	0.80	0.95	1.04	0.79	0.96	1.05
700	17.44	18.04	18.66	0.57	0.71	0.80	0.57	0.74	0.82
720	21.26	21.83	22.46	0.45	0.59	0.67	0.46	0.62	0.70
780	32.01	32.37	33.04	0.28	0.39	0.46	0.32	0.49	0.52
800	35.05	35.24	35.98	0.26	0.36	0.43	0.30	0.48	0.50
850	41.28	40.67	41.75	0.23	0.31	0.37	0.27	0.45	0.45
900	44.32	42.70	44.26	0.20	0.27	0.32	0.26	0.45	0.43
980	45.14	42.67	44.62	0.18	0.24	0.28	0.25	0.45	0.41
1070	44.09	41.36	43.48	0.15	0.22	0.25	0.25	0.46	0.40
1100	43.71	40.92	43.15	0.15	0.21	0.25	0.24	0.46	0.40
1200	42.60	39.83	42.16	0.14	0.21	0.24	0.23	0.47	0.40
1300	43.63	40.34	43.16	0.13	0.20	0.24	0.23	0.48	0.41
1400	44.87	40.86	44.62	0.13	0.21	0.25	0.22	0.50	0.43
1430	46.39	41.45	45.98	0.13	0.22	0.26	0.22	0.49	0.42
1500	61.22	46.35	58.44	0.14	0.24	0.28	0.24	0.52	0.46
1600	40.19	42.74	39.72	0.16	0.28	0.33	0.27	0.56	0.51
1675	31.79	32.50	31.05	0.18	0.33	0.39	0.31	0.60	0.57
1700	29.19	29.60	28.36	0.21	0.36	0.43	0.34	0.63	0.62
1800	16.01	15.41	14.43	0.58	1.01	1.14	0.97	1.49	1.82
1900	12.33	13.78	14.17	0.78	0.80	0.87	1.20	1.64	1.40
2000	18.91	19.39	19.62	0.34	0.47	0.60	0.45	0.91	0.84
2100	21.71	21.95	22.16	0.31	0.46	0.61	0.40	0.82	0.80
2200	24.04	24.23	24.44	0.34	0.50	0.67	0.40	0.81	0.82
2300	26.73	26.95	27.24	0.34	0.51	0.69	0.41	0.80	0.84
2400	31.22	31.55	31.98	0.35	0.53	0.72	0.42	0.78	0.86
2500	43.25	44.63	46.35	0.38	0.58	0.78	0.45	0.79	0.91
2600	28.09	25.84	23.63	0.75	1.09	1.52	0.74	1.14	1.45
2700	8.02	9.01	9.68	2.21	2.14	2.09	2.05	2.11	2.14
2800	5.39	5.65	5.73	2.26	2.71	2.92	2.75	3.24	3.62
2900	2.17	2.63	2.71	6.73	7.17	7.59	10.16	11.59	12.79
3000	2.28	2.90	3.12	7.05	6.76	6.89	9.49	10.23	9.32

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Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
0.1	0.65	0.74	0.78
1	1.02	1.02	1.03
10	1.04	1.05	1.05
20	1.03	1.04	1.04
30	1.03	1.04	1.04
40	1.03	1.03	1.04
50	1.03	1.03	1.03
60	1.03	1.03	1.03
70	1.03	1.03	1.04
80	1.03	1.03	1.04
90	1.04	1.04	1.04
100	1.04	1.04	1.04
200	1.12	1.11	1.11
300	1.27	1.28	1.28
400	1.54	1.55	1.55
460	1.82	1.82	1.83
470	1.87	1.88	1.89
480	1.94	1.95	1.96
490	2.02	2.03	2.05
500	2.11	2.12	2.14
505	2.16	2.18	2.20
510	2.21	2.23	2.25
520	2.33	2.34	2.37
640	3.61	3.48	3.41
680	2.47	2.41	2.33
700	1.99	1.96	1.90
710	1.85	1.81	1.76
720	1.68	1.66	1.59
730	1.51	1.51	1.46
740	1.41	1.42	1.38
750	1.32	1.34	1.30
760	1.21	1.25	1.23
770	1.14	1.18	1.14
780	0.99	1.04	1.04
790	1.00	1.08	1.07
800	1.02	1.11	1.11
810	0.96	1.09	1.11
820	0.95	1.06	1.06
830	0.87	1.01	1.07
840	0.88	1.02	1.12
850	0.85	0.99	1.02
860	0.67	0.83	0.85
870	0.74	0.86	0.93
880	0.88	0.98	1.03
890	0.79	0.89	0.96
892	0.79	0.89	0.93
893	0.79	0.88	0.94
894	0.77	0.89	0.92
895	0.77	0.88	0.94
896	0.73	0.88	0.92
897	0.76	0.83	0.93
898	0.75	0.82	0.87
899	0.69	0.96	1.01
900	0.56	1.08	1.06

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