

Surface Mount Low Pass Filter

SALF-800+

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	0.04	0.04	49.79	47.05	46.06	50.27	47.36	46.13
10	0.03	0.04	0.05	39.18	38.34	37.60	39.38	38.45	37.70
20	0.04	0.05	0.06	33.48	32.80	32.09	33.65	32.84	32.17
30	0.05	0.06	0.07	30.10	29.45	28.78	30.24	29.52	28.86
40	0.06	0.07	0.08	27.69	27.10	26.48	27.77	27.14	26.52
50	0.06	0.08	0.09	25.78	25.29	24.74	25.83	25.31	24.75
60	0.07	0.09	0.10	24.23	23.83	23.36	24.23	23.83	23.36
70	0.08	0.11	0.12	22.88	22.61	22.22	22.88	22.61	22.23
80	0.10	0.12	0.13	21.71	21.56	21.28	21.71	21.56	21.28
90	0.11	0.13	0.14	20.67	20.65	20.47	20.68	20.65	20.47
100	0.12	0.15	0.16	19.74	19.86	19.77	19.75	19.85	19.77
110	0.14	0.16	0.17	18.92	19.17	19.18	18.93	19.14	19.16
120	0.15	0.17	0.18	18.18	18.54	18.66	18.18	18.51	18.63
130	0.16	0.19	0.20	17.51	17.99	18.20	17.50	17.93	18.16
140	0.18	0.20	0.21	16.91	17.48	17.80	16.89	17.42	17.75
150	0.19	0.21	0.22	16.37	17.01	17.43	16.33	16.95	17.37
160	0.20	0.22	0.23	15.89	16.59	17.11	15.85	16.53	17.05
200	0.27	0.28	0.28	14.48	15.32	16.11	14.47	15.30	16.10
300	0.33	0.37	0.37	13.77	14.30	15.12	13.80	14.31	15.14
400	0.29	0.36	0.39	16.01	16.17	16.56	16.04	16.16	16.57
500	0.24	0.33	0.38	23.69	24.51	24.46	23.72	24.51	24.46
600	0.30	0.41	0.47	24.00	23.00	23.29	23.97	22.99	23.15
700	0.48	0.62	0.70	15.67	15.55	15.76	15.56	15.45	15.60
740	0.54	0.68	0.77	15.21	15.35	15.64	15.09	15.21	15.43
800	0.57	0.73	0.83	18.46	19.77	20.50	17.97	19.04	19.40
830	0.60	0.78	0.91	27.30	34.52	41.84	23.68	25.13	24.29
900	1.42	1.79	2.02	10.12	9.26	8.97	9.92	9.12	8.76
935	2.92	3.42	3.73	5.35	5.04	4.94	5.29	5.00	4.85
970	5.12	5.68	6.06	2.84	2.79	2.80	2.82	2.78	2.76
1000	7.52	8.09	8.50	1.71	1.78	1.84	1.70	1.78	1.81
1100	16.37	16.87	17.32	0.53	0.70	0.81	0.54	0.72	0.82
1200	25.33	25.82	26.30	0.33	0.51	0.63	0.35	0.54	0.66
1250	30.26	30.82	31.35	0.30	0.48	0.62	0.33	0.51	0.64
1300	35.85	36.55	37.12	0.28	0.45	0.59	0.30	0.49	0.62
1330	40.60	41.39	42.15	0.27	0.44	0.58	0.30	0.49	0.62
1400	60.04	59.40	56.49	0.25	0.43	0.57	0.28	0.47	0.61
1500	43.90	43.41	43.65	0.24	0.42	0.57	0.26	0.45	0.60
1600	41.14	41.14	41.21	0.23	0.40	0.55	0.24	0.43	0.59
1700	40.96	40.95	41.26	0.22	0.39	0.54	0.22	0.41	0.57
1800	41.48	41.74	41.98	0.20	0.37	0.51	0.20	0.39	0.55
1850	42.03	42.43	42.48	0.19	0.36	0.50	0.19	0.38	0.54
1900	43.35	43.44	44.52	0.19	0.35	0.50	0.19	0.37	0.53
2000	44.64	45.55	46.00	0.17	0.34	0.48	0.16	0.35	0.51
2100	47.68	48.35	49.91	0.16	0.33	0.46	0.15	0.34	0.49
2200	49.67	53.25	54.43	0.15	0.33	0.47	0.14	0.34	0.50
2300	63.60	67.38	58.46	0.15	0.33	0.48	0.15	0.34	0.52
2400	53.11	53.58	49.60	0.17	0.34	0.50	0.17	0.37	0.54
2500	46.26	46.35	42.96	0.17	0.37	0.53	0.19	0.40	0.59
2550	46.33	44.21	43.03	0.18	0.38	0.54	0.21	0.42	0.62
2600	46.41	43.05	43.45	0.21	0.40	0.59	0.23	0.45	0.65
2700	45.26	42.21	42.34	0.23	0.45	0.65	0.28	0.53	0.76
2800	30.05	29.22	29.24	0.39	0.61	0.79	0.63	0.84	1.03
2900	29.16	29.33	27.83	0.34	0.59	0.83	0.40	0.67	0.94
3000	27.68	27.87	26.60	0.39	0.63	0.91	0.44	0.72	1.00

REV. X2
SALF-800+
101025
Page 1 of 2



IF/RF MICROWAVE COMPONENTS • ISO 9001 ISO 14001 AS9100 CERTIFIED • RoHS compliant
P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661



The Design Engineers Search Engine finds the model you need, Instantly • For detailed performance specs & shopping online see



Surface Mount Low Pass Filter

SALF-800+

Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
0	0.58	0.58	0.48
10	0.59	0.60	0.60
20	0.59	0.59	0.59
40	0.58	0.58	0.58
50	0.58	0.58	0.58
100	0.57	0.57	0.57
120	0.57	0.57	0.56
140	0.57	0.57	0.56
150	0.57	0.57	0.57
160	0.57	0.57	0.57
180	0.56	0.57	0.57
200	0.55	0.56	0.56
220	0.55	0.56	0.56
240	0.57	0.57	0.57
250	0.57	0.58	0.58
260	0.58	0.58	0.59
280	0.58	0.58	0.58
300	0.57	0.57	0.57
320	0.57	0.57	0.58
340	0.60	0.60	0.60
350	0.61	0.61	0.61
360	0.62	0.62	0.62
380	0.63	0.62	0.62
400	0.62	0.62	0.61
420	0.63	0.63	0.62
440	0.66	0.66	0.65
450	0.67	0.67	0.67
460	0.68	0.68	0.68
480	0.69	0.69	0.69
500	0.70	0.70	0.70
520	0.71	0.72	0.71
540	0.73	0.74	0.73
550	0.74	0.74	0.74
560	0.75	0.75	0.75
580	0.76	0.76	0.76
600	0.78	0.78	0.78
620	0.80	0.80	0.80
640	0.80	0.81	0.81
650	0.82	0.81	0.82
660	0.83	0.82	0.83
680	0.85	0.85	0.86
700	0.88	0.88	0.88
720	0.90	0.91	0.91
740	0.94	0.95	0.95
750	0.97	0.97	0.98
760	1.00	1.01	1.01
780	1.06	1.08	1.09
800	1.14	1.16	1.18
820	1.25	1.28	1.29
840	1.38	1.41	1.42
850	1.45	1.48	1.49
860	1.53	1.55	1.56
880	1.67	1.69	1.69
900	1.82	1.81	1.81

REV. X2
SALF-800+
101025
Page 2 of 2



IF/RF MICROWAVE COMPONENTS • ISO 9001 ISO 14001 AS9100 CERTIFIED RoHS compliant

P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661

The Design Engineers Search Engine finds the model you need, Instantly • For detailed performance specs & shopping online see

