

Surface Mount Low Pass Filter

SALF-580+

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	49.40	46.25	45.94	50.74	47.32	46.75
10	0.03	0.05	0.05	44.85	42.89	41.96	45.76	43.43	42.47
20	0.04	0.05	0.06	40.46	38.66	37.65	41.19	39.19	38.09
30	0.05	0.06	0.07	37.48	35.93	34.76	37.95	36.16	35.03
40	0.05	0.07	0.07	35.31	33.88	32.75	35.53	33.98	32.91
50	0.06	0.08	0.08	33.55	32.32	31.29	33.66	32.35	31.38
60	0.07	0.09	0.09	32.07	31.10	30.22	32.10	31.06	30.26
70	0.07	0.10	0.10	30.75	30.06	29.40	30.80	30.06	29.45
80	0.08	0.10	0.11	29.53	29.17	28.74	29.71	29.28	28.93
90	0.08	0.11	0.12	28.47	28.45	28.32	28.76	28.63	28.59
100	0.09	0.12	0.13	27.53	27.84	28.02	27.88	28.10	28.39
110	0.09	0.12	0.13	26.76	27.39	27.92	27.10	27.64	28.29
120	0.10	0.13	0.14	26.09	27.03	27.93	26.42	27.28	28.34
130	0.10	0.14	0.15	25.56	26.81	28.09	25.77	26.95	28.37
140	0.11	0.14	0.15	25.08	26.64	28.29	25.22	26.68	28.53
150	0.11	0.15	0.16	24.76	26.59	28.68	24.76	26.49	28.72
200	0.13	0.17	0.19	24.47	27.41	31.62	24.65	27.56	32.42
250	0.14	0.19	0.22	28.44	32.43	38.27	28.56	32.67	46.10
300	0.16	0.22	0.25	37.66	35.70	31.92	46.90	40.74	33.59
350	0.20	0.27	0.31	25.28	25.51	25.15	25.64	26.10	25.57
400	0.24	0.32	0.36	20.15	20.55	21.03	20.23	20.73	21.16
450	0.32	0.41	0.45	17.97	18.20	18.91	18.11	18.38	19.04
500	0.34	0.44	0.49	17.90	18.08	18.96	17.91	18.08	18.90
550	0.35	0.47	0.54	23.09	23.70	25.75	23.03	23.46	25.15
580	0.37	0.51	0.60	42.61	36.67	30.62	37.22	32.68	28.70
600	0.44	0.60	0.71	21.63	20.64	19.33	21.73	20.64	19.23
650	1.25	1.50	1.69	8.71	8.42	8.16	8.77	8.50	8.19
700	3.70	4.07	4.32	3.44	3.38	3.36	3.48	3.44	3.40
720	5.18	5.58	5.84	2.36	2.36	2.38	2.39	2.41	2.42
750	7.70	8.13	8.38	1.38	1.44	1.49	1.42	1.50	1.53
800	12.19	12.62	12.87	0.67	0.77	0.85	0.69	0.81	0.88
850	16.65	17.07	17.32	0.41	0.53	0.61	0.43	0.57	0.64
900	21.10	21.49	21.76	0.31	0.44	0.53	0.32	0.46	0.54
1000	29.86	30.24	30.59	0.23	0.38	0.48	0.24	0.39	0.49
1100	39.74	40.27	40.80	0.21	0.37	0.48	0.21	0.38	0.48
1200	57.25	59.46	61.47	0.21	0.37	0.49	0.21	0.38	0.50
1300	52.66	51.77	51.14	0.21	0.37	0.51	0.21	0.39	0.52
1400	48.00	47.60	47.36	0.21	0.37	0.51	0.21	0.39	0.53
1500	47.60	47.43	47.34	0.21	0.37	0.52	0.21	0.39	0.54
1600	47.70	47.67	47.65	0.20	0.36	0.50	0.21	0.39	0.55
1700	49.48	49.96	49.71	0.20	0.35	0.50	0.21	0.39	0.55
1800	51.10	51.52	52.14	0.18	0.33	0.48	0.20	0.38	0.55
1900	56.45	58.55	61.83	0.17	0.32	0.47	0.19	0.38	0.54
2000	62.71	69.36	82.60	0.15	0.30	0.45	0.18	0.37	0.53
2100	61.77	57.56	54.69	0.14	0.29	0.44	0.18	0.36	0.53
2200	56.00	52.52	50.34	0.13	0.29	0.44	0.18	0.37	0.54
2300	46.65	45.26	44.29	0.13	0.30	0.45	0.18	0.38	0.56
2400	43.50	42.54	41.37	0.15	0.32	0.48	0.20	0.40	0.59
2500	39.80	38.89	37.87	0.16	0.34	0.51	0.22	0.43	0.63
2600	39.06	37.99	37.17	0.20	0.39	0.57	0.25	0.48	0.69
2700	36.27	35.27	34.41	0.21	0.41	0.61	0.27	0.51	0.73
2800	34.61	33.71	32.89	0.26	0.47	0.68	0.35	0.60	0.84
2900	29.73	29.06	28.31	0.33	0.57	0.83	0.40	0.68	0.97
3000	27.74	27.18	26.58	0.40	0.65	0.92	0.46	0.75	1.05

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SALF-580+

Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
0	0.27	0.40	0.46
1	0.73	0.73	0.74
10	0.76	0.76	0.76
20	0.75	0.75	0.76
30	0.75	0.75	0.75
40	0.74	0.75	0.75
50	0.74	0.75	0.74
60	0.74	0.74	0.74
70	0.74	0.74	0.74
80	0.74	0.74	0.74
90	0.75	0.74	0.74
100	0.74	0.74	0.74
110	0.75	0.74	0.74
120	0.75	0.75	0.75
130	0.75	0.75	0.75
140	0.75	0.75	0.75
150	0.76	0.76	0.76
160	0.76	0.76	0.76
170	0.76	0.76	0.77
180	0.77	0.77	0.77
190	0.77	0.77	0.77
200	0.77	0.77	0.78
210	0.78	0.77	0.78
220	0.78	0.78	0.78
230	0.79	0.79	0.79
240	0.80	0.80	0.79
250	0.80	0.80	0.80
260	0.81	0.81	0.81
270	0.82	0.81	0.81
280	0.82	0.82	0.82
290	0.83	0.83	0.83
300	0.84	0.84	0.84
310	0.85	0.84	0.84
320	0.86	0.85	0.85
330	0.86	0.86	0.86
340	0.87	0.87	0.87
350	0.88	0.87	0.87
360	0.88	0.88	0.88
370	0.89	0.89	0.89
380	0.91	0.91	0.91
390	0.92	0.92	0.92
400	0.93	0.94	0.94
410	0.95	0.95	0.95
420	0.96	0.95	0.96
450	0.98	0.98	0.98
500	1.10	1.11	1.11
550	1.28	1.28	1.29
600	1.60	1.61	1.62
650	1.94	1.94	1.92
700	1.86	1.83	1.80
750	1.37	1.33	1.31
800	0.99	0.96	0.95
850	0.73	0.70	0.71
900	0.54	0.54	0.53

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