

# Surface Mount Low Pass Filter

# SCLF-550+

## 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
10	0.03	0.03	0.04	42.90	40.93	39.51	42.78	40.87	39.51
20	0.04	0.04	0.05	38.10	35.97	34.57	37.97	35.78	34.43
30	0.05	0.04	0.06	34.94	32.87	31.69	34.83	32.76	31.49
40	0.07	0.06	0.07	32.54	30.71	29.74	32.40	30.55	29.53
50	0.06	0.07	0.07	30.55	29.07	28.30	30.46	28.89	28.04
60	0.07	0.07	0.08	28.88	27.75	27.24	28.78	27.53	26.92
70	0.05	0.07	0.07	27.43	26.65	26.44	27.31	26.44	26.06
80	0.07	0.09	0.08	26.10	25.79	25.74	26.01	25.59	25.41
90	0.07	0.09	0.08	24.96	25.09	25.27	24.89	24.93	24.93
100	0.08	0.10	0.09	23.96	24.53	24.91	23.94	24.35	24.60
110	0.10	0.09	0.10	23.16	24.09	24.72	23.11	23.92	24.35
120	0.10	0.10	0.10	22.46	23.74	24.62	22.46	23.58	24.27
130	0.12	0.12	0.12	21.88	23.49	24.61	21.91	23.31	24.31
140	0.11	0.12	0.12	21.48	23.32	24.75	21.53	23.15	24.42
150	0.11	0.13	0.12	21.19	23.24	24.93	21.22	23.05	24.56
200	0.13	0.14	0.15	21.53	23.98	25.84	21.46	23.72	25.44
250	0.12	0.16	0.18	25.23	25.99	26.67	25.26	25.68	26.36
300	0.14	0.16	0.19	28.93	28.07	27.46	29.28	27.57	27.09
320	0.15	0.17	0.21	29.63	29.05	28.22	29.92	28.38	27.78
330	0.15	0.18	0.21	29.93	29.71	28.74	30.29	28.92	28.18
340	0.15	0.18	0.22	30.47	30.49	29.36	30.75	29.57	28.70
350	0.16	0.19	0.23	31.33	31.46	30.10	31.46	30.40	29.22
400	0.19	0.22	0.27	34.78	34.32	29.61	34.31	32.70	28.93
450	0.22	0.27	0.31	26.41	26.38	25.29	26.04	26.28	25.13
500	0.28	0.33	0.38	29.53	29.27	30.95	28.80	29.08	29.76
550	0.49	0.60	0.68	15.15	15.13	14.38	15.21	15.22	14.42
600	3.07	3.25	3.47	3.86	3.84	3.73	3.83	3.88	3.74
660	11.21	11.53	11.71	0.76	0.76	0.80	0.71	0.78	0.79
688	15.44	15.80	15.95	0.47	0.49	0.53	0.42	0.50	0.51
716	19.79	20.19	20.33	0.34	0.38	0.41	0.30	0.39	0.39
744	23.33	23.77	23.88	0.27	0.32	0.35	0.23	0.34	0.33
772	27.31	27.80	27.87	0.23	0.28	0.31	0.21	0.29	0.31
800	31.72	32.07	32.17	0.21	0.26	0.30	0.19	0.27	0.29
828	35.22	35.78	35.92	0.19	0.25	0.28	0.16	0.26	0.28
900	47.67	48.33	48.64	0.16	0.23	0.27	0.15	0.23	0.28
1000	54.97	54.68	55.00	0.12	0.21	0.26	0.12	0.22	0.27
1050	50.73	50.82	50.95	0.11	0.20	0.25	0.12	0.22	0.27
1100	50.07	49.99	50.37	0.09	0.21	0.26	0.12	0.21	0.29
1200	49.76	49.91	50.29	0.07	0.21	0.27	0.11	0.22	0.30
1300	50.40	50.51	50.50	0.08	0.21	0.28	0.13	0.23	0.33
1400	52.67	51.88	53.60	0.08	0.22	0.29	0.13	0.24	0.33
1500	55.23	54.94	56.95	0.08	0.21	0.31	0.11	0.23	0.33
1550	55.73	56.58	56.97	0.09	0.22	0.31	0.13	0.24	0.34
1600	58.48	58.32	59.50	0.10	0.22	0.31	0.10	0.24	0.34
1700	62.00	62.43	65.66	0.10	0.25	0.31	0.11	0.24	0.32
1800	74.10	74.33	76.58	0.12	0.25	0.33	0.11	0.25	0.32
1900	69.27	69.45	66.25	0.12	0.25	0.33	0.11	0.24	0.32
2000	68.98	65.13	64.57	0.13	0.26	0.33	0.09	0.24	0.30
2100	59.38	58.56	58.61	0.13	0.26	0.33	0.11	0.24	0.29
2200	60.88	55.36	58.53	0.12	0.26	0.33	0.10	0.24	0.28
2300	56.23	55.32	54.25	0.12	0.25	0.32	0.09	0.27	0.27
2400	52.93	51.80	53.70	0.14	0.26	0.34	0.09	0.26	0.28
2500	52.57	53.18	52.77	0.12	0.26	0.34	0.07	0.26	0.26
2600	53.86	54.21	53.40	0.14	0.25	0.36	0.07	0.27	0.27

REV. X2

SCLF-550+

101116

Page 1 of 2



IF/RF MICROWAVE COMPONENTS • ISO 9001 ISO 14001 AS 9100 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

# SCLF-550+

## Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
0.1	2.75	2.75	2.59
10	0.94	0.91	0.84
20	1.00	0.94	0.99
30	0.85	0.87	0.89
40	0.98	1.01	0.99
50	0.89	0.92	0.87
60	0.98	0.85	0.88
70	0.89	0.84	0.89
80	0.85	0.97	0.96
90	0.96	0.93	0.90
100	0.98	0.98	0.94
120	0.92	0.81	0.88
130	0.96	0.98	1.00
140	1.04	0.82	0.90
150	0.98	0.93	0.97
160	1.07	0.89	0.89
170	1.03	0.98	0.99
180	0.96	0.98	1.06
190	0.97	1.01	0.99
200	0.90	0.95	0.95
220	0.99	0.96	0.90
230	0.95	0.99	0.98
240	1.01	0.94	0.98
250	0.96	0.97	0.94
260	0.98	1.04	1.01
270	1.16	1.11	1.14
280	1.05	0.95	1.09
290	1.14	1.16	1.14
300	1.18	1.08	1.03
320	1.17	1.19	1.28
330	1.15	1.12	1.15
340	1.23	1.24	1.11
350	1.20	1.19	1.21
360	1.07	1.13	1.23
370	1.19	1.19	1.12
380	1.45	1.31	1.32
390	1.40	1.31	1.22
400	1.44	1.43	1.43
420	1.41	1.42	1.32
430	1.41	1.42	1.43
440	1.54	1.52	1.66
450	1.61	1.56	1.46
460	1.57	1.51	1.44
470	1.74	1.60	1.61
480	1.79	1.76	1.73
490	1.77	1.85	1.98
500	1.96	1.87	1.98
520	2.13	2.08	2.10
530	2.19	2.25	2.17
540	2.32	2.37	2.54
550	2.63	2.57	2.68
600	3.03	2.98	2.98
700	0.58	0.52	1.02
800	0.32	0.15	0.03
900	0.04	0.60	0.31

REV. X2  
SCLF-550+  
101116  
Page 2 of 2



IF/RF MICROWAVE COMPONENTS • ISO 9001 ISO 14001 AS 9100 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

