

# Surface Mount Low Pass Filter

# SXLP-450+

## 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	0.04	0.04	51.14	48.24	46.21	51.17	48.24	46.18
10	0.04	0.05	0.06	37.29	35.88	34.85	37.38	35.89	34.90
50	0.08	0.11	0.12	23.28	23.67	23.99	23.21	23.59	23.87
100	0.15	0.19	0.20	18.92	19.61	20.28	18.86	19.54	20.18
150	0.17	0.23	0.26	18.66	19.34	19.86	18.61	19.26	19.77
200	0.17	0.24	0.28	21.51	22.79	24.04	21.42	22.70	23.90
210	0.16	0.24	0.28	22.87	24.18	25.52	22.81	24.13	25.38
220	0.16	0.25	0.29	24.70	26.07	27.45	24.64	26.05	27.38
230	0.17	0.25	0.30	27.11	28.68	30.18	27.10	28.72	30.25
240	0.18	0.27	0.32	30.34	32.28	34.02	30.43	32.66	34.67
250	0.17	0.27	0.32	34.79	37.04	38.23	35.67	39.68	43.04
260	0.18	0.28	0.34	40.49	38.67	36.95	47.07	44.40	40.69
270	0.21	0.31	0.36	38.12	34.25	32.76	40.09	35.49	33.71
280	0.21	0.31	0.37	32.86	30.66	29.66	33.37	31.09	30.05
290	0.21	0.32	0.38	29.42	28.19	27.50	29.72	28.50	27.79
300	0.22	0.34	0.40	27.25	26.65	26.19	27.45	26.82	26.36
310	0.25	0.36	0.42	25.97	25.81	25.58	25.99	25.83	25.62
320	0.26	0.38	0.44	25.36	25.52	25.53	25.24	25.40	25.42
330	0.28	0.40	0.46	25.45	25.86	26.15	25.20	25.63	25.88
340	0.30	0.41	0.49	26.12	26.77	27.37	25.89	26.54	27.09
350	0.30	0.43	0.50	27.69	28.70	29.74	27.59	28.54	29.48
360	0.32	0.45	0.53	30.96	32.68	34.72	30.89	32.58	34.38
370	0.34	0.49	0.57	39.16	45.56	66.43	38.83	44.71	60.02
380	0.37	0.52	0.61	39.99	35.75	33.41	40.93	36.33	33.96
390	0.41	0.58	0.68	29.49	27.91	26.95	29.91	28.24	27.30
400	0.47	0.64	0.75	24.78	23.81	23.26	25.00	24.02	23.47
410	0.54	0.74	0.85	21.81	21.17	20.87	21.91	21.28	20.96
420	0.62	0.82	0.95	19.78	19.39	19.25	19.83	19.44	19.29
430	0.72	0.94	1.08	18.39	18.24	18.21	18.41	18.23	18.16
440	0.87	1.13	1.29	17.37	17.39	17.44	17.30	17.22	17.22
450	1.11	1.41	1.62	16.02	16.02	16.01	15.62	15.54	15.44
460	1.64	2.07	2.38	12.61	12.39	12.12	12.07	11.79	11.46
465	2.26	2.81	3.26	9.85	9.59	9.24	9.42	9.13	8.76
470	3.47	4.22	4.89	6.88	6.71	6.41	6.60	6.41	6.11
475	5.74	6.74	7.66	4.37	4.36	4.21	4.21	4.20	4.05
485	14.05	15.36	16.64	1.82	2.03	2.10	1.79	2.00	2.07
490	19.77	21.18	22.62	1.37	1.59	1.68	1.37	1.59	1.70
495	26.90	28.50	30.17	1.12	1.33	1.43	1.13	1.36	1.47
500	36.95	38.73	40.42	0.96	1.17	1.26	0.98	1.20	1.30
545	51.13	52.22	53.02	0.48	0.63	0.72	0.52	0.69	0.77
600	50.47	50.71	50.88	0.32	0.45	0.52	0.36	0.49	0.57
700	48.57	49.09	49.32	0.17	0.31	0.38	0.20	0.33	0.41
800	43.92	44.31	44.50	0.11	0.25	0.33	0.12	0.26	0.34
870	43.85	44.23	44.64	0.08	0.22	0.30	0.08	0.23	0.30
900	44.34	44.71	45.10	0.08	0.21	0.31	0.08	0.24	0.31
1000	45.55	46.01	46.15	0.05	0.20	0.29	0.04	0.20	0.28
1500	55.15	54.89	55.38	0.04	0.24	0.36	0.03	0.22	0.34
2000	63.29	63.94	62.68	0.11	0.34	0.48	0.07	0.30	0.45
2500	52.69	51.95	51.54	0.14	0.39	0.55	0.14	0.39	0.55
3000	50.18	45.28	46.96	0.19	0.52	0.73	0.12	0.46	0.64
3500	43.50	44.49	40.18	0.25	0.68	0.92	0.23	0.58	0.79
4000	32.73	32.41	30.32	0.44	0.88	1.24	0.50	0.85	1.13
4500	23.33	27.06	26.19	0.53	1.00	1.59	0.94	1.16	1.76
5000	28.05	25.45	27.03	1.28	1.72	2.39	1.19	1.79	1.83

REV. X2  
SXLP-450+  
101125  
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

# SXLP-450+

## Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
1	1.53	1.49	1.64
5	1.61	1.63	1.67
10	1.65	1.67	1.63
20	1.61	1.59	1.61
30	1.63	1.62	1.61
40	1.56	1.57	1.56
50	1.61	1.63	1.60
60	1.56	1.57	1.56
70	1.57	1.54	1.54
80	1.62	1.65	1.64
90	1.61	1.61	1.59
100	1.59	1.62	1.60
110	1.64	1.58	1.63
120	1.65	1.61	1.64
130	1.67	1.60	1.61
135	1.63	1.63	1.64
140	1.64	1.68	1.64
145	1.70	1.66	1.70
150	1.68	1.68	1.64
155	1.69	1.69	1.71
160	1.65	1.68	1.71
170	1.73	1.71	1.73
180	1.74	1.79	1.75
190	1.77	1.76	1.81
200	1.73	1.81	1.80
210	1.77	1.82	1.74
220	1.89	1.84	1.88
230	1.83	1.79	1.85
240	1.97	1.88	1.92
250	1.97	2.00	1.93
260	2.15	2.14	2.12
270	2.20	2.18	2.11
280	2.08	2.09	2.11
290	2.22	2.21	2.25
300	2.27	2.26	2.24
310	2.18	2.31	2.26
320	2.41	2.42	2.46
330	2.55	2.54	2.56
340	2.61	2.63	2.62
350	2.87	2.84	2.84
360	2.93	2.94	2.95
370	3.09	3.05	3.05
380	3.33	3.31	3.36
390	3.62	3.54	3.59
400	3.82	3.83	3.97
410	4.23	4.25	4.33
420	4.70	4.81	4.85
430	5.40	5.45	5.54
440	6.32	6.45	6.58
450	7.79	7.98	8.19
460	10.31	10.59	10.92
470	14.44	14.52	14.55
480	14.40	13.59	12.88
490	8.72	7.97	6.80
495	5.22	3.57	1.88

REV. X2  
SXLP-450+  
101125  
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

