

Surface Mount Low Pass Filter

SXLP-10+

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
0.5	0.05	0.06	0.07	33.37	33.44	33.55	33.25	33.34	33.47
2.0	0.08	0.09	0.09	22.03	22.23	22.45	22.04	22.26	22.49
5.0	0.17	0.18	0.19	19.28	19.50	19.71	19.12	19.37	19.60
8.0	0.27	0.29	0.30	20.56	20.52	20.43	20.65	20.60	20.51
10.0	0.43	0.45	0.48	25.86	25.75	25.54	28.20	28.28	28.36
10.5	0.69	0.71	0.76	14.89	14.71	14.53	15.17	15.03	14.89
11.0	1.60	1.66	1.75	7.66	7.52	7.38	7.78	7.65	7.52
11.2	2.33	2.41	2.52	5.65	5.53	5.42	5.75	5.64	5.54
11.7	5.25	5.39	5.57	2.48	2.42	2.38	2.55	2.49	2.45
12.4	11.13	11.31	11.53	0.88	0.86	0.86	0.93	0.91	0.91
14.0	25.59	25.80	26.04	0.30	0.30	0.31	0.33	0.33	0.34
16.0	43.60	43.91	44.23	0.21	0.21	0.21	0.22	0.23	0.24
20.0	84.42	82.50	84.87	0.16	0.16	0.17	0.16	0.18	0.19
30.0	74.72	74.43	74.41	0.13	0.14	0.15	0.13	0.16	0.18
100.0	78.28	75.78	74.92	0.16	0.17	0.18	0.17	0.20	0.20
120.0	79.45	78.81	81.68	0.17	0.18	0.19	0.17	0.20	0.22
140.0	75.99	75.23	77.49	0.18	0.19	0.20	0.17	0.21	0.24
160.0	69.03	69.92	70.15	0.19	0.20	0.21	0.18	0.23	0.25
200.0	66.68	66.52	66.47	0.20	0.21	0.22	0.19	0.24	0.26
230.0	64.90	65.65	65.41	0.21	0.22	0.23	0.19	0.24	0.27
240.0	65.29	65.19	65.42	0.21	0.23	0.24	0.19	0.24	0.27
250.0	65.20	65.42	65.44	0.22	0.23	0.24	0.19	0.25	0.28
300.0	67.55	67.95	67.84	0.23	0.25	0.26	0.21	0.27	0.30
400.0	51.56	51.83	52.08	0.28	0.30	0.31	0.28	0.35	0.38
500.0	42.91	42.65	42.30	0.43	0.46	0.48	0.83	0.92	0.97
600.0	31.48	31.68	31.88	0.19	0.22	0.24	0.13	0.22	0.26
700.0	37.49	37.47	37.58	0.18	0.20	0.23	0.11	0.20	0.26
800.0	38.59	38.67	38.64	0.18	0.22	0.24	0.12	0.23	0.28
900.0	38.76	38.71	38.76	0.19	0.22	0.26	0.17	0.29	0.35
1000.0	38.33	38.31	38.30	0.20	0.24	0.27	0.15	0.27	0.33
1200.0	37.84	37.87	37.71	0.26	0.33	0.38	0.17	0.32	0.41
1300.0	38.20	38.02	37.85	0.39	0.47	0.52	0.24	0.40	0.49
1400.0	36.25	36.02	35.56	0.44	0.46	0.50	0.24	0.39	0.49
1500.0	33.78	33.82	33.62	0.33	0.39	0.43	0.19	0.36	0.47
1600.0	33.10	33.13	33.01	0.30	0.37	0.43	0.18	0.36	0.48
1700.0	33.10	32.62	32.79	0.29	0.37	0.44	0.18	0.39	0.51
1800.0	31.98	31.93	31.71	0.31	0.39	0.47	0.22	0.44	0.58
2000.0	30.47	30.42	30.28	0.45	0.56	0.65	0.39	0.67	0.84
2200.0	30.73	30.73	30.58	0.58	0.67	0.76	1.01	1.35	1.56
2300.0	30.96	30.78	30.68	0.58	0.68	0.78	1.16	1.44	1.64
2400.0	31.15	30.82	30.84	0.61	0.74	0.83	1.04	1.33	1.54
2500.0	30.13	29.88	29.68	0.69	0.82	0.92	1.00	1.35	1.58
2600.0	29.57	29.26	29.05	0.73	0.88	0.99	1.09	1.50	1.76
2700.0	28.88	28.48	28.13	0.88	1.07	1.18	1.30	1.76	2.06
2800.0	27.83	27.06	26.56	1.15	1.36	1.48	1.52	2.01	2.37
3000.0	22.06	21.24	20.67	1.49	1.57	1.69	1.86	2.47	2.99
3200.0	18.55	18.01	17.36	1.21	1.38	1.56	2.62	3.68	4.66
3300.0	17.23	16.73	16.13	1.22	1.45	1.66	3.45	4.94	6.32
3400.0	16.00	15.62	15.14	1.35	1.63	1.88	4.84	7.02	8.76
3500.0	14.90	14.78	14.49	1.61	1.97	2.24	7.11	9.66	11.06
3600.0	14.55	14.68	14.61	2.04	2.47	2.79	9.65	11.32	10.88
3700.0	15.12	15.90	16.01	2.54	2.89	3.24	10.38	10.19	9.44
3800.0	17.39	18.57	18.84	2.82	3.04	3.41	9.13	8.63	8.30
4000.0	19.04	19.78	19.86	2.38	2.71	3.07	6.24	6.46	6.56

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Surface Mount Low Pass Filter

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Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
0.5	61.39	61.15	61.39
1.0	60.90	61.09	60.86
1.3	60.72	60.73	60.82
1.5	60.73	60.76	60.87
1.7	60.67	60.78	60.88
2.0	60.87	60.98	61.07
2.3	61.10	61.18	61.27
2.5	61.27	61.39	61.49
2.7	61.60	61.70	61.78
3.0	62.02	62.11	62.20
3.3	62.53	62.64	62.77
3.5	62.97	63.11	63.20
3.7	63.43	63.51	63.66
4.0	64.20	64.29	64.46
4.3	65.13	65.24	65.37
4.5	65.76	65.90	66.02
4.7	66.47	66.55	66.68
5.0	67.56	67.67	67.84
5.3	68.86	69.02	69.14
5.5	69.70	69.85	70.03
5.7	70.73	70.83	71.01
5.9	71.76	71.87	72.10
6.0	72.36	72.48	72.63
6.3	74.12	74.24	74.39
6.4	74.67	74.80	75.02
6.5	75.33	75.46	75.62
6.7	76.72	76.87	77.06
6.9	78.13	78.29	78.46
7.0	78.93	79.11	79.27
7.3	81.40	81.59	81.79
7.4	82.33	82.51	82.74
7.5	83.21	83.43	83.64
7.7	85.15	85.36	85.56
7.9	87.24	87.46	87.72
8.0	88.35	88.57	88.85
8.3	92.09	92.35	92.66
8.4	93.47	93.76	94.05
8.5	94.90	95.18	95.48
8.7	98.03	98.39	98.70
8.9	101.66	102.05	102.42
9.0	103.71	104.05	104.50
9.3	110.75	111.18	111.69
9.4	113.42	113.92	114.47
9.5	116.36	116.89	117.55
9.7	122.98	123.64	124.39
9.9	130.88	131.68	132.54
10.0	135.30	136.11	137.05
11.0	181.78	182.52	183.06
12.0	156.80	155.98	154.71
13.0	94.99	94.19	93.31
14.0	61.70	61.47	60.90
15.0	44.62	44.17	43.92
16.0	33.78	33.76	32.71
17.0	24.19	24.87	27.56
18.0	35.69	4.24	41.03

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