

Surface Mount Low Pass Filter

LPF-B0R8+

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
0.03	0.15	0.18	0.22	35.93	32.77	31.05	35.97	32.98	31.21
0.10	0.16	0.21	0.24	29.55	25.58	23.96	29.14	25.61	23.95
0.30	0.17	0.22	0.27	23.15	19.74	18.09	23.93	19.83	18.11
0.50	0.20	0.22	0.26	31.07	25.65	23.63	34.02	26.12	23.91
0.63	0.24	0.25	0.30	28.88	30.31	30.21	28.98	32.51	32.79
0.80	0.34	0.38	0.46	22.42	21.09	20.15	22.40	21.39	20.34
1.10	0.70	0.79	1.00	17.93	18.71	20.10	17.87	18.14	18.78
1.20	0.99	1.30	2.06	21.74	22.07	13.24	19.18	16.54	11.41
1.25	1.41	2.76	4.64	19.28	8.10	5.23	17.29	7.45	4.81
1.30	3.02	6.27	9.17	7.39	3.20	2.30	7.29	3.00	2.14
1.35	6.44	11.12	14.48	3.10	1.51	1.30	3.01	1.42	1.23
1.45	15.76	21.41	25.05	0.96	0.68	0.76	0.87	0.66	0.74
1.55	25.22	31.31	35.24	0.59	0.50	0.61	0.52	0.51	0.61
1.75	43.80	52.03	57.86	0.41	0.40	0.49	0.36	0.40	0.50
4.00	62.89	64.32	65.11	0.21	0.25	0.32	0.20	0.26	0.33
10.00	84.60	85.26	85.86	0.24	0.26	0.29	0.23	0.27	0.30
20.00	95.61	101.62	96.92	0.25	0.24	0.24	0.24	0.24	0.25
30.00	94.94	98.23	121.33	0.23	0.21	0.22	0.22	0.22	0.22
40.00	98.18	98.73	97.42	0.21	0.20	0.21	0.20	0.19	0.21
50.00	98.10	106.48	98.57	0.19	0.18	0.20	0.19	0.19	0.20
60.00	100.71	102.56	97.81	0.18	0.18	0.19	0.18	0.18	0.19
70.00	111.17	94.71	99.58	0.17	0.17	0.19	0.16	0.17	0.18
80.00	95.76	104.43	100.32	0.16	0.17	0.19	0.16	0.16	0.18
90.00	103.70	101.22	100.72	0.15	0.16	0.18	0.15	0.16	0.18
100.00	98.65	101.05	99.04	0.15	0.16	0.18	0.15	0.16	0.18
200.00	96.83	105.66	94.12	0.13	0.16	0.19	0.12	0.15	0.18
300.00	91.14	93.05	86.79	0.13	0.18	0.21	0.11	0.16	0.19
400.00	84.75	84.47	83.11	0.15	0.21	0.24	0.13	0.19	0.21
500.00	79.27	77.94	77.38	0.21	0.31	0.32	0.17	0.27	0.27
600.00	75.32	74.55	75.23	0.50	0.58	0.55	0.37	0.46	0.43
700.00	71.59	70.06	70.87	0.52	0.55	0.61	0.42	0.45	0.49
800.00	67.16	66.31	66.37	0.36	0.45	0.51	0.28	0.37	0.42
900.00	63.72	62.41	63.05	0.31	0.43	0.47	0.25	0.37	0.39
1000.00	58.79	58.93	57.98	0.32	0.46	0.50	0.28	0.42	0.43
1100.00	56.03	55.77	55.50	0.38	0.56	0.58	0.35	0.52	0.51
1200.00	53.82	53.87	53.56	0.56	0.84	0.80	0.50	0.75	0.68
1300.00	50.66	51.57	51.24	1.14	1.54	1.35	0.95	1.28	1.09
1400.00	51.48	53.55	51.83	2.42	2.19	2.15	1.95	1.81	1.72
1500.00	57.25	54.69	53.79	1.87	1.64	1.92	1.68	1.48	1.70
1600.00	52.71	51.89	51.77	1.16	1.21	1.42	1.05	1.11	1.30
1700.00	49.47	49.55	48.91	0.84	0.97	1.12	0.76	0.91	1.03
1800.00	46.68	46.72	46.14	0.72	0.90	1.00	0.66	0.84	0.92
1900.00	45.31	45.13	45.04	0.63	0.84	0.92	0.55	0.76	0.82
2000.00	44.22	43.74	43.62	0.65	0.90	0.94	0.54	0.76	0.81
2100.00	42.40	42.40	42.07	0.71	1.02	1.02	0.49	0.73	0.77
2200.00	41.67	41.07	41.26	0.91	1.29	1.19	0.50	0.76	0.79
2300.00	40.25	39.50	39.73	1.41	1.66	1.53	0.53	0.78	0.80
2400.00	38.49	37.62	37.83	1.81	1.71	1.79	0.58	0.80	0.83
2500.00	36.66	35.99	36.36	1.43	1.47	1.68	0.57	0.80	0.86
2600.00	34.52	33.96	34.29	1.08	1.30	1.46	0.55	0.81	0.86
2700.00	32.43	32.11	32.33	0.92	1.22	1.33	0.52	0.83	0.85
2800.00	30.32	29.97	30.17	0.92	1.30	1.33	0.61	0.95	0.94
2900.00	27.87	27.85	27.96	1.07	1.56	1.51	0.75	1.16	1.08
3000.00	25.35	25.80	25.82	1.50	2.14	1.96	1.14	1.61	1.45

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Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
0.03	540.55	567.15	586.24
0.05	542.12	569.10	587.43
0.10	544.10	571.28	588.95
0.15	546.69	573.90	590.78
0.20	550.59	577.74	593.98
0.25	554.31	581.41	596.92
0.30	559.61	587.32	602.89
0.35	566.74	594.80	611.38
0.40	575.12	605.10	623.14
0.50	591.39	624.02	644.82
0.51	597.39	631.09	653.79
0.52	604.43	641.07	664.12
0.53	607.98	645.12	668.17
0.54	611.41	653.06	676.87
0.55	614.24	655.13	679.98
0.56	618.89	660.07	684.11
0.57	620.49	661.44	686.70
0.58	624.54	666.33	693.11
0.59	628.64	668.86	694.33
0.60	630.62	671.92	699.83
0.63	639.79	684.41	711.04
0.64	643.08	688.68	717.76
0.65	647.50	694.42	720.81
0.66	650.76	696.92	725.47
0.67	655.65	699.37	731.26
0.68	657.63	705.94	736.07
0.69	662.29	710.80	738.51
0.70	666.42	714.70	744.91
0.71	670.70	719.88	748.90
0.72	674.57	726.75	754.98
0.73	678.93	730.33	760.16
0.74	683.50	735.08	766.04
0.75	687.69	740.49	771.69
0.76	692.44	747.21	778.79
0.77	697.10	751.49	783.97
0.78	704.11	757.95	791.77
0.79	710.05	765.75	800.62
0.80	715.78	772.85	808.39
0.82	729.28	789.38	825.88
0.83	735.69	797.33	834.64
0.84	741.94	806.50	844.86
0.85	750.03	816.01	854.55
0.86	757.14	825.41	866.83
0.87	766.27	835.77	878.27
0.88	775.50	847.82	891.57
0.89	784.90	856.76	903.06
0.90	794.04	869.27	917.59
1.00	908.80	1014.91	1086.45
1.10	1062.87	1239.18	1370.85
1.20	1431.79	1882.96	2133.78
1.30	2123.77	1958.46	1693.32
1.40	1367.18	991.33	829.84
1.50	727.36	557.54	477.36
1.60	453.48	357.58	304.86
1.70	313.78	239.10	177.23

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