

Surface Mount Low Pass Filter

LPF-B0R3+

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	0.26	0.31	0.36	32.56	29.21	27.10	32.59	29.29	27.12
0.10	0.21	0.27	0.33	29.94	24.37	21.64	29.41	24.24	21.50
0.20	0.26	0.32	0.37	39.29	30.42	26.30	31.10	27.66	24.74
0.25	0.31	0.37	0.43	33.06	41.68	50.51	28.54	29.33	28.87
0.30	0.37	0.45	0.54	33.79	33.19	31.35	28.45	27.88	27.06
0.40	0.70	0.87	1.08	19.88	22.29	23.96	20.00	23.52	29.35
0.44	1.04	1.55	2.26	20.46	16.46	11.86	27.46	20.62	13.41
0.46	1.59	2.94	4.59	14.28	8.15	5.46	16.77	8.86	5.89
0.48	3.38	6.26	8.97	6.38	3.47	2.40	6.80	3.69	2.58
0.51	9.45	14.01	17.66	1.80	1.15	0.97	1.90	1.24	1.04
0.56	23.28	29.18	34.09	0.53	0.47	0.49	0.55	0.49	0.53
0.61	39.03	47.60	56.05	0.34	0.33	0.37	0.35	0.34	0.39
1.0	46.95	47.74	48.43	0.16	0.16	0.19	0.16	0.16	0.20
2.0	58.68	60.42	61.69	0.09	0.11	0.15	0.10	0.11	0.16
4.0	75.96	77.82	79.18	0.06	0.10	0.14	0.06	0.10	0.14
5.0	81.73	82.96	84.57	0.06	0.10	0.14	0.06	0.10	0.14
6.0	86.73	90.28	89.93	0.07	0.10	0.13	0.07	0.10	0.14
8.0	95.91	98.89	99.33	0.08	0.11	0.14	0.08	0.11	0.14
10.0	101.99	99.67	106.86	0.09	0.11	0.13	0.09	0.12	0.13
20.0	93.46	103.22	96.93	0.10	0.11	0.11	0.10	0.11	0.12
40.0	95.50	103.98	102.32	0.08	0.09	0.10	0.08	0.09	0.10
50.0	110.93	100.50	94.41	0.07	0.08	0.10	0.08	0.09	0.10
100.0	99.71	96.17	98.45	0.05	0.07	0.10	0.07	0.08	0.10
200.0	115.79	99.99	95.36	0.04	0.08	0.12	0.07	0.10	0.12
300.0	94.98	98.50	90.04	0.06	0.12	0.16	0.10	0.14	0.18
400.0	91.87	97.63	91.27	0.33	0.35	0.35	0.35	0.36	0.36
500.0	85.56	82.87	82.83	0.09	0.18	0.24	0.18	0.23	0.27
600.0	76.95	76.67	76.78	0.06	0.17	0.23	0.17	0.23	0.29
700.0	70.96	70.52	70.63	0.09	0.23	0.31	0.22	0.31	0.37
800.0	66.11	66.39	66.43	0.35	0.56	0.65	0.45	0.61	0.69
900.0	69.52	69.36	67.99	1.16	1.06	1.02	1.25	1.14	1.10
1000.0	66.40	66.31	65.07	0.41	0.52	0.60	0.57	0.63	0.71
1100.0	64.45	62.92	64.64	0.23	0.36	0.45	0.38	0.47	0.56
1200.0	60.27	60.00	59.22	0.17	0.31	0.40	0.32	0.42	0.51
1300.0	57.91	57.16	57.15	0.17	0.33	0.42	0.32	0.42	0.52
1400.0	55.66	56.57	54.88	0.27	0.45	0.54	0.37	0.50	0.58
1500.0	51.41	51.23	50.84	0.47	0.56	0.62	0.52	0.57	0.65
1600.0	50.77	49.59	49.13	0.33	0.47	0.57	0.40	0.49	0.60
1700.0	48.80	48.76	48.21	0.29	0.45	0.57	0.35	0.46	0.57
1800.0	46.81	46.31	45.86	0.34	0.55	0.66	0.38	0.51	0.63
1900.0	45.04	44.97	43.68	0.57	0.85	0.96	0.50	0.70	0.81
2000.0	44.03	45.36	47.00	1.26	1.46	1.37	0.95	1.15	1.16
2100.0	45.66	45.82	44.46	1.51	1.33	1.29	1.36	1.22	1.20
2200.0	44.12	43.49	43.71	0.88	0.95	1.01	0.88	0.89	0.98
2300.0	41.86	41.44	41.73	0.63	0.81	0.90	0.63	0.74	0.86
2400.0	40.47	39.49	39.97	0.55	0.78	0.90	0.56	0.72	0.83
2500.0	37.83	37.31	37.10	0.55	0.85	1.00	0.59	0.78	0.89
2600.0	36.47	35.50	35.03	0.75	1.08	1.23	0.83	1.03	1.14
2700.0	33.77	32.74	32.30	0.81	1.13	1.39	0.96	1.14	1.26
2800.0	31.28	29.94	29.57	0.78	1.20	1.57	1.00	1.22	1.40
2900.0	28.10	27.09	26.59	0.90	1.47	1.95	1.12	1.45	1.67
3000.0	24.50	24.36	24.50	1.48	2.11	2.57	1.58	2.02	2.16

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Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
0.03	1283.25	1337.32	1381.91
0.05	1289.94	1343.67	1388.31
0.06	1297.22	1351.23	1396.52
0.07	1306.18	1361.83	1406.41
0.08	1315.49	1371.37	1417.12
0.09	1328.77	1383.19	1428.94
0.10	1334.18	1390.99	1436.51
0.12	1352.22	1408.51	1455.89
0.13	1363.40	1421.49	1468.93
0.14	1373.12	1434.00	1481.39
0.15	1386.97	1448.79	1499.31
0.16	1399.72	1464.33	1516.54
0.17	1414.33	1482.08	1536.74
0.18	1430.57	1501.23	1558.22
0.19	1449.72	1521.14	1582.55
0.20	1468.41	1543.03	1607.35
0.22	1512.12	1593.44	1664.39
0.23	1536.74	1619.98	1695.76
0.24	1556.59	1649.66	1724.46
0.25	1580.57	1674.63	1752.11
0.26	1622.54	1721.84	1806.36
0.27	1659.79	1762.64	1854.67
0.28	1697.80	1805.08	1899.84
0.29	1744.66	1860.61	1962.06
0.30	1794.72	1914.10	2021.09
0.32	1891.17	2031.45	2149.96
0.33	1954.15	2102.34	2234.48
0.34	2022.83	2185.00	2328.77
0.35	2094.20	2277.20	2435.87
0.36	2183.60	2380.93	2560.79
0.37	2276.50	2500.37	2705.14
0.38	2380.93	2633.32	2872.55
0.40	2645.66	2991.29	3325.75
0.42	3039.49	3553.58	4051.25
0.43	3329.13	3964.64	4544.16
0.44	3713.88	4466.39	5057.78
0.45	4200.50	4992.12	5442.18
0.46	4740.67	5379.09	5528.56
0.47	5183.28	5457.32	5252.89
0.48	5347.42	5168.61	4716.22
0.50	4696.43	4008.88	3462.66
0.52	3542.87	2909.45	2488.38
0.53	3029.13	2484.65	2108.98
0.54	2600.84	2129.12	1801.59
0.55	2242.28	1841.23	1540.35
0.56	1946.81	1597.28	1300.30
0.57	1696.29	1372.36	1062.29
0.58	1481.73	1168.05	812.06
0.60	1129.40	758.50	141.75
0.75	431.93	57.09	152.64
0.80	245.78	269.68	267.67
0.85	293.63	281.30	266.23
0.90	277.64	259.42	241.50
0.95	254.05	233.24	212.89
1.00	226.95	206.78	190.76

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