

Low Pass Filter

LPF-BOR7+

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	38.48	35.46	33.29	38.86	35.73	33.46
0.10	0.17	0.20	0.24	37.67	33.18	29.53	38.21	33.40	29.62
0.20	0.16	0.20	0.24	33.97	31.50	26.70	34.94	32.55	27.13
0.30	0.15	0.18	0.22	28.80	32.59	27.29	29.50	37.40	28.68
0.40	0.18	0.21	0.24	24.33	30.24	30.56	24.76	34.64	41.14
0.50	0.23	0.26	0.29	21.35	24.60	26.70	21.66	25.74	29.38
0.60	0.28	0.32	0.38	20.22	21.74	22.50	20.54	22.36	23.33
0.70	0.32	0.39	0.47	21.92	22.44	22.52	22.51	23.19	23.17
0.80	0.36	0.46	0.58	28.82	28.52	28.15	32.11	30.74	28.61
0.90	0.50	0.64	0.84	21.98	26.27	31.86	21.75	24.02	24.07
0.96	0.63	0.86	1.28	21.42	31.80	18.49	20.04	21.43	16.04
1.00	0.76	1.29	2.24	29.49	15.80	9.81	21.24	14.06	9.13
1.04	1.08	2.56	4.54	18.30	7.73	4.73	15.63	7.28	4.48
1.05	1.25	3.10	5.37	15.07	6.38	3.93	13.43	6.04	3.72
1.06	1.48	3.74	6.29	12.45	5.25	3.27	11.39	4.99	3.10
1.07	1.79	4.49	7.28	10.29	4.32	2.74	9.57	4.11	2.60
1.08	2.17	5.32	8.34	8.47	3.55	2.32	7.97	3.38	2.20
1.10	3.23	7.22	10.60	5.71	2.44	1.72	5.43	2.33	1.63
1.12	4.67	9.34	12.98	3.84	1.73	1.34	3.66	1.65	1.27
1.15	7.38	12.76	16.67	2.17	1.12	1.00	2.07	1.07	0.96
1.18	10.50	16.31	20.41	1.32	0.81	0.83	1.26	0.78	0.80
1.30	24.02	30.82	35.82	0.47	0.45	0.58	0.45	0.44	0.57
1.40	35.65	44.06	50.87	0.36	0.39	0.52	0.35	0.38	0.50
1.46	43.26	53.64	63.32	0.32	0.36	0.49	0.32	0.36	0.48
1.50	48.88	61.64	75.50	0.31	0.35	0.48	0.30	0.35	0.47
2.00	55.04	54.26	53.88	0.22	0.30	0.40	0.22	0.29	0.39
3.00	54.31	55.76	56.55	0.17	0.27	0.36	0.17	0.27	0.35
4.00	59.56	61.37	62.24	0.15	0.25	0.34	0.15	0.25	0.34
5.00	64.66	66.50	67.45	0.16	0.25	0.34	0.16	0.25	0.34
6.00	69.10	71.00	71.79	0.17	0.26	0.34	0.17	0.26	0.34
7.00	73.07	74.84	75.53	0.18	0.27	0.33	0.18	0.26	0.33
8.00	76.61	78.37	78.64	0.20	0.28	0.33	0.19	0.27	0.33
9.00	79.41	80.74	82.79	0.21	0.28	0.33	0.21	0.27	0.32
10.00	82.34	83.93	84.72	0.22	0.28	0.32	0.21	0.28	0.32
50.00	102.46	96.56	100.32	0.20	0.20	0.22	0.20	0.20	0.22
100.00	88.32	96.62	91.87	0.16	0.18	0.20	0.15	0.17	0.20
200.00	101.73	106.94	93.47	0.14	0.18	0.21	0.13	0.18	0.21
300.00	91.94	95.83	88.59	0.15	0.21	0.23	0.14	0.20	0.22
400.00	87.28	84.66	84.08	0.17	0.24	0.26	0.16	0.23	0.25
500.00	79.65	79.22	78.71	0.19	0.28	0.30	0.18	0.27	0.29
600.00	75.37	74.71	75.34	0.24	0.36	0.37	0.23	0.34	0.35
700.00	72.27	71.27	72.13	0.40	0.54	0.52	0.35	0.48	0.47
800.00	69.05	67.36	67.91	0.70	0.71	0.72	0.58	0.62	0.62
900.00	65.49	64.75	65.49	0.54	0.62	0.68	0.43	0.52	0.57
1000.00	59.42	58.21	58.23	0.44	0.58	0.61	0.36	0.49	0.52
1200.00	55.05	54.39	54.75	0.44	0.64	0.61	0.35	0.52	0.53
1500.00	46.97	46.97	47.25	0.92	1.50	1.18	0.72	1.16	0.97
1600.00	43.96	46.32	45.47	1.92	2.62	2.03	1.44	2.02	1.60
1700.00	46.66	52.71	48.38	3.53	2.84	2.91	2.87	2.53	2.40
1800.00	58.34	51.88	52.11	2.24	1.91	2.27	2.10	1.76	2.03
1900.00	50.47	48.53	49.43	1.28	1.37	1.54	1.12	1.18	1.36
2000.00	47.56	46.26	47.05	0.91	1.12	1.17	0.74	0.94	1.02
2500.00	36.64	35.84	36.04	0.82	1.27	1.12	0.60	0.91	0.86
3000.00	18.96	18.88	19.67	2.18	3.03	2.71	2.06	2.77	2.44

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Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
0.03	594.15	620.64	642.82
0.05	596.34	623.81	645.41
0.10	599.74	628.53	649.60
0.15	604.43	634.58	655.39
0.20	612.81	643.37	663.89
0.25	619.07	650.35	671.63
0.30	628.61	661.59	684.03
0.35	639.70	675.01	699.16
0.40	653.24	691.19	717.64
0.45	666.91	709.73	738.80
0.50	686.01	732.34	764.67
0.55	707.98	758.68	794.83
0.60	735.51	791.30	831.53
0.65	761.30	821.89	866.94
0.70	789.15	855.42	904.17
0.71	813.80	885.34	937.58
0.72	834.87	910.31	966.77
0.73	849.28	929.31	987.20
0.74	865.17	948.61	1008.45
0.75	877.28	962.41	1026.26
0.76	889.73	978.76	1044.83
0.77	902.86	995.82	1063.80
0.78	917.73	1012.76	1086.27
0.79	932.28	1031.32	1107.75
0.80	948.03	1051.70	1130.98
0.81	963.28	1071.43	1156.00
0.82	978.99	1092.56	1180.86
0.83	995.76	1115.49	1208.39
0.84	1013.69	1140.81	1239.82
0.85	1031.09	1165.61	1271.31
0.86	1051.17	1192.27	1306.30
0.87	1072.07	1221.14	1345.24
0.88	1094.54	1253.27	1387.15
0.89	1115.32	1285.75	1431.27
0.90	1140.35	1324.98	1486.39
1.20	1360.14	1042.56	878.96
1.22	1185.81	916.65	781.09
1.24	1038.72	815.81	693.86
1.25	973.58	771.86	659.55
1.26	916.80	729.14	622.62
1.27	862.03	689.67	587.05
1.28	816.62	655.36	556.03
1.30	732.34	589.21	498.02
1.32	659.61	534.87	444.49
1.34	597.59	485.07	392.15
1.35	569.21	461.34	362.85
1.36	547.15	438.23	330.88
1.37	520.84	412.21	306.09
1.38	498.64	390.24	279.83
1.39	476.53	367.04	237.81
1.40	456.77	343.70	205.38
1.42	416.56	301.05	112.76
4.00	86.49	84.04	99.39
5.00	31.80	26.14	23.48

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