

Low Pass Filter

LPF-BOR6+

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	0.16	0.21	0.26	32.36	29.20	27.64	32.18	29.21	27.60
0.10	0.23	0.30	0.35	24.03	20.85	19.40	23.89	20.93	19.45
0.30	0.24	0.30	0.35	21.06	18.52	17.28	21.42	18.59	17.35
0.50	0.31	0.35	0.41	34.15	27.89	24.79	30.62	26.65	24.06
0.60	0.39	0.45	0.54	28.47	23.83	21.58	26.75	22.86	20.86
0.70	0.55	0.61	0.74	21.12	21.73	21.56	21.27	21.73	21.63
0.76	0.73	0.82	1.00	16.81	17.42	17.74	17.40	18.70	19.94
0.80	0.87	1.01	1.31	16.29	17.20	16.55	17.96	23.04	26.44
0.84	1.10	1.60	2.48	16.24	12.00	8.64	25.01	14.96	10.07
0.88	2.04	3.91	6.08	9.18	4.84	3.24	11.01	5.41	3.62
0.91	3.97	7.24	10.13	4.68	2.32	1.69	5.30	2.58	1.87
0.96	9.50	14.12	17.48	1.58	0.93	0.86	1.76	1.03	0.93
1.04	19.87	25.10	28.69	0.61	0.49	0.55	0.65	0.52	0.57
1.08	24.89	30.32	34.05	0.50	0.42	0.49	0.52	0.44	0.50
1.23	43.07	50.00	54.96	0.35	0.32	0.40	0.34	0.32	0.39
1.50	81.15	83.25	79.19	0.26	0.26	0.32	0.25	0.26	0.32
2.00	63.67	64.68	65.22	0.19	0.22	0.27	0.18	0.21	0.26
3.00	66.92	68.84	69.96	0.14	0.19	0.23	0.13	0.19	0.23
4.00	72.62	74.64	76.00	0.13	0.17	0.21	0.12	0.16	0.21
5.00	78.16	79.72	81.11	0.13	0.17	0.21	0.12	0.16	0.21
7.00	85.86	88.45	90.99	0.14	0.17	0.21	0.13	0.17	0.21
8.00	89.42	92.59	92.59	0.14	0.17	0.20	0.13	0.17	0.20
9.00	95.73	93.95	95.71	0.15	0.18	0.20	0.14	0.18	0.20
10.00	94.39	97.30	98.24	0.15	0.18	0.20	0.15	0.18	0.19
50.00	98.78	92.20	96.81	0.12	0.13	0.14	0.12	0.13	0.14
100.00	98.35	98.37	94.09	0.10	0.11	0.13	0.10	0.11	0.13
300.00	91.98	93.42	87.14	0.10	0.15	0.18	0.10	0.14	0.18
400.00	88.95	87.30	82.72	0.15	0.21	0.25	0.14	0.20	0.24
500.00	83.46	83.10	81.63	0.40	0.48	0.49	0.38	0.44	0.44
600.00	76.29	75.38	74.45	0.39	0.44	0.49	0.32	0.37	0.41
700.00	72.21	71.07	70.50	0.27	0.37	0.43	0.22	0.31	0.36
800.00	67.75	67.39	67.45	0.28	0.38	0.45	0.22	0.32	0.38
900.00	61.47	61.78	63.07	0.33	0.45	0.54	0.27	0.39	0.45
1000.00	56.75	56.63	56.65	0.50	0.67	0.78	0.42	0.56	0.65
1100.00	55.18	56.18	56.72	1.22	1.48	1.51	0.91	1.13	1.17
1200.00	61.07	61.83	61.15	2.00	1.78	1.74	1.93	1.76	1.67
1300.00	60.49	59.06	58.72	1.02	1.07	1.17	1.09	1.09	1.18
1400.00	56.65	56.04	55.70	0.67	0.79	0.90	0.65	0.74	0.86
1500.00	54.24	53.88	53.35	0.55	0.68	0.79	0.50	0.62	0.73
1600.00	51.97	51.16	50.57	0.51	0.63	0.74	0.45	0.58	0.69
1700.00	49.67	49.07	48.43	0.49	0.62	0.73	0.45	0.60	0.71
1800.00	46.82	46.36	45.80	0.51	0.67	0.78	0.49	0.65	0.76
1900.00	45.96	45.32	44.98	0.63	0.82	0.92	0.64	0.83	0.91
2000.00	44.12	43.88	43.81	0.82	0.93	1.01	0.89	1.00	1.05
2100.00	43.84	42.52	42.18	0.70	0.82	0.94	0.80	0.89	0.98
2200.00	39.07	38.65	38.48	0.60	0.77	0.90	0.64	0.81	0.93
2300.00	37.23	37.32	37.54	0.62	0.83	0.97	0.64	0.86	0.99
2400.00	35.21	35.18	35.30	0.75	1.02	1.15	0.79	1.06	1.18
2500.00	32.78	33.69	34.18	1.13	1.50	1.57	1.22	1.55	1.60
2600.00	32.00	33.88	33.93	2.14	2.29	2.15	2.20	2.47	2.32
2700.00	37.56	40.20	38.18	2.53	2.21	2.20	3.24	2.89	2.74
2800.00	42.50	39.37	38.85	1.62	1.62	1.77	2.36	2.19	2.33
2900.00	36.27	35.17	35.34	1.15	1.32	1.51	1.50	1.62	1.85
3000.00	33.48	32.91	33.08	0.97	1.18	1.36	1.17	1.38	1.61

REV. X2

LPF-BOR6+

110331

Page 1 of 2



IF/RF MICROWAVE COMPONENTS • ISO 9001 ISO 14001 AS9100 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



Typical Performance Data

FREQ. (MHz)	GROUP DELAY (nsec)		
	@ -40° C	@ +25° C	@ +85° C
0.03	799.98	844.48	869.27
0.05	803.15	846.48	871.22
0.10	807.69	849.74	874.34
0.20	825.36	865.96	891.71
0.25	838.28	880.10	907.14
0.30	857.20	902.83	932.75
0.35	881.44	932.43	966.42
0.40	911.30	968.05	1006.64
0.45	939.36	1000.88	1042.91
0.50	968.98	1034.47	1079.93
0.52	1012.93	1083.89	1132.49
0.55	1052.16	1130.98	1182.61
0.58	1094.19	1179.23	1237.67
0.60	1125.79	1215.26	1279.06
0.65	1220.15	1334.06	1415.96
0.70	1340.76	1489.48	1599.61
1.00	1447.10	1125.62	952.89
1.10	699.60	573.78	495.96
1.20	424.19	334.93	268.09
1.50	664.82	320.88	97.35
1.70	68.20	63.02	115.66
1.71	83.39	103.91	97.73
1.72	52.49	110.17	56.61
1.73	43.03	58.44	94.37
1.74	43.87	106.81	94.45
1.75	91.32	70.95	102.61
1.76	95.74	71.48	56.46
1.77	82.16	87.28	114.74
1.78	58.74	84.30	30.06
1.79	98.19	39.98	46.46
1.80	70.34	34.41	56.15
1.81	95.14	60.65	57.07
1.82	105.05	48.06	45.62
1.83	90.25	113.22	95.44
1.84	107.11	80.41	83.31
1.85	74.99	110.62	67.59
1.86	91.17	92.69	82.77
1.87	109.55	87.43	93.15
1.88	80.41	69.65	71.26
1.89	53.71	82.77	90.17
1.90	105.05	89.49	50.50
1.91	64.16	44.02	55.77
1.92	65.76	79.65	73.09
1.93	101.39	38.14	50.12
1.94	86.51	33.95	54.62
1.95	80.33	60.95	64.01
1.96	78.89	58.13	50.43
1.97	59.81	64.31	35.86
1.98	47.99	63.24	65.92
1.99	54.46	90.41	50.05
2.00	21.20	52.49	41.90
3.00	27.30	59.26	48.67
4.00	23.47	12.29	25.16
5.00	15.43	16.58	9.06

REV. X2
LPF-BOR6+
110331
Page 2 of 2



IF/RF MICROWAVE COMPONENTS • ISO 9001 ISO 14001 AS9100 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

