Low Pass Filter for Cable Modem Applications

EPB5064G



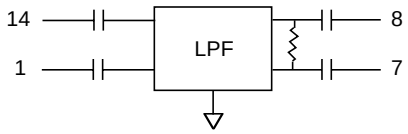
- Optimized to work with BCM3300
- Integrated LPF designed to work with Broadcom BCM 3033,3137 and 3210
- Robust construction allows for IR/VP processes

Electrical Parameters @ 25° C

Cut-off Frequency (MHz)	Insertion Loss (dB Max.)	Return Loss (dB Min.)	Attenuation (dB Min.)		Group Delay (nS Max.)
±3.0 MHz	1 MHz-40 MHz	1 MHz-40 MHz	@75 MHz	100-200 MHz	@ 40 MHz
50	-1.5	-15	-15	-30	30

- **Characteristics Filter Impedance :** 150Ω

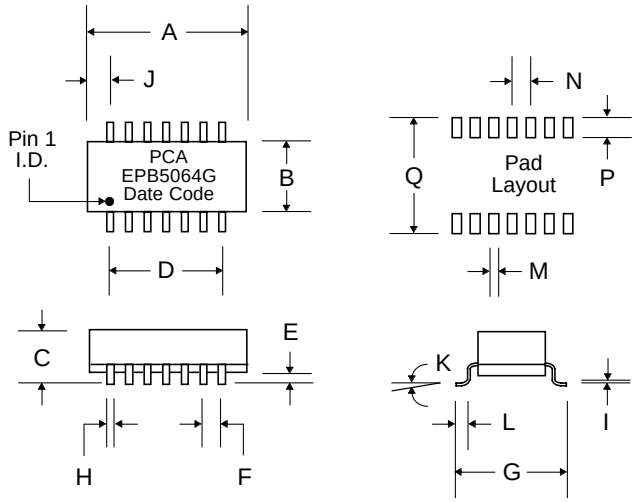
Schematic



2, 3, 12 & 13 - Ground 1 5, 6, 9 & 10 - Ground 2

4 & 11 Not Connected

Package



Dimensions

Dim.	(Inches) Min.	Max.	Nom.	(Millimeters) Min.	Max.	Nom.
A	.740	.760	.750	18.79	19.3	19.05
B	.260	.280	.270	6.60	7.11	6.86
C	.190	.210	.200	4.82	5.33	5.08
D	---	---	.600	---	---	15.24
E	.010	.020	.015	.254	.508	.381
F	---	---	.100	---	---	2.54
G	.390	.410	.400	9.91	10.41	10.2
H	.016	.020	.018	.406	.508	.457
I	.008	.012	.010	.203	.304	.254
J	.070	.080	.075	1.78	.203	1.91
K	0°	8°	---	0°	8°	---
L	.030	.050	.040	.762	1.27	1.02
M	---	---	.030	---	---	.762
N	---	---	.100	---	---	2.54
P	---	---	.085	---	---	2.16
Q	---	---	.450	---	---	11.43

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Product performance is limited to specified parameters. Data is subject to change without prior notice.

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