

Low Pass Filter for Cable Modem Applications

EPB5186G

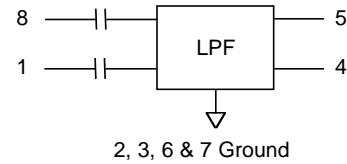
- Optimized to work with BCM3300 •
- Integrated LPF designed to work with Broadcom BCM 3033,3137 and 3210 •
- Robust construction allows for IR/VP processes •

Electrical Parameters @ 25° C

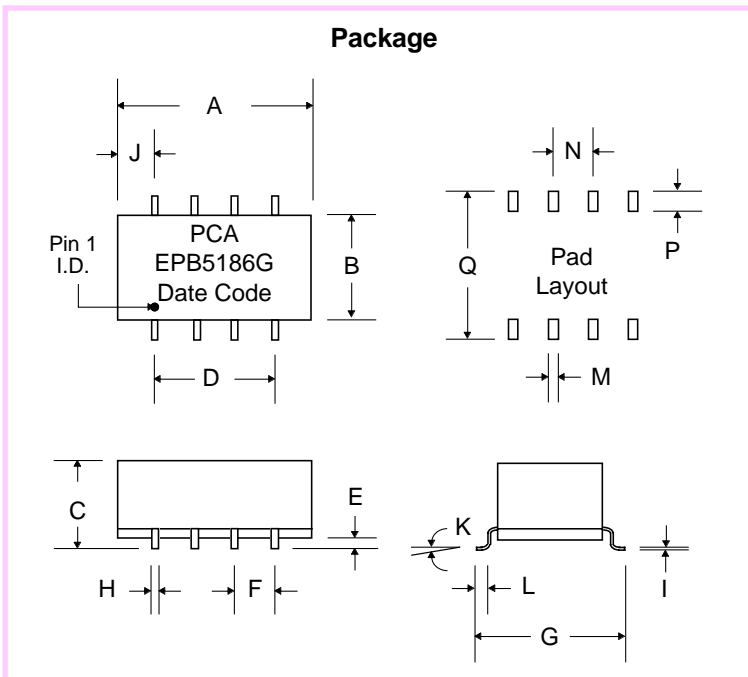
Cut-off Frequency (MHz)	Insertion Loss (dB Max.)	Return Loss (dB Min.)	Attenuation (dB Min.)		Group Delay (nS Max.)
			@ 75 MHz	100-200 MHz	
±3.0 MHz	1 MHz-40 MHz	1 MHz-40 MHz	-15	-30	@ 40 MHz
50	-1.5	-15	-15	-30	30

- Characteristics Filter Impedance : 150 Ω •

Schematic



Package



Dimensions

Dim.	(Inches)			(Millimeters)		
	Min.	Max.	Nom.	Min.	Max.	Nom.
A	.490	.510	.500	12.45	12.95	12.70
B	.260	.280	.270	6.60	7.11	6.86
C	.190	.210	.200	4.82	5.33	5.08
D	---	---	.300	---	---	7.62
E	.010	.020	.015	.254	.508	.381
F	---	---	.100	---	---	2.54
G	.365	.385	.375	9.27	9.78	9.53
H	.016	.020	.018	.406	.508	.457
I	.008	.012	.010	.203	.304	.254
J	---	---	.100	---	---	2.54
K	0°	8°	4°	0°	8°	4°
L	.030	.050	.040	.762	1.27	1.02
M	---	---	.030	---	---	.762
N	---	---	.100	---	---	2.54
P	---	---	.085	---	---	2.16
Q	---	---	.440	---	---	11.18