

Low Pass Filter for Cable Modem Applications

EPB5065G



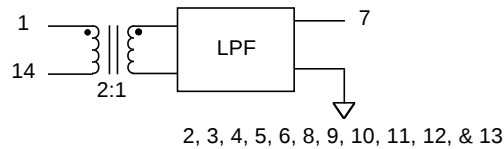
- Integrated LPF designed to work with Broadcom BCM 3033, 3137 and 3210
- Isolation and Impedance matching to meet Modem Cable Standards
- Robust construction allows for IR/VP processes
- Temperature Range -40°C to 85°C

Electrical Parameters @ 25° C

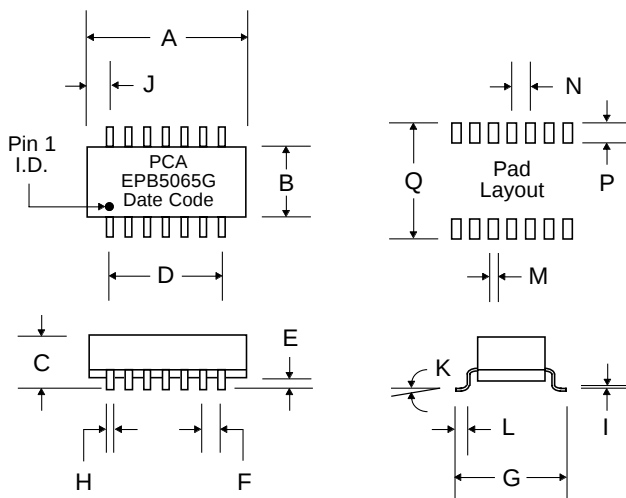
Cut-off Frequency (MHz)	Insertion Loss (dB Max.)	Return Loss (dB Min.)		Attenuation (dB Min.)		Group Delay (nS Max.)
±3.0 MHz	1 MHz-35 MHz	1 MHz-35 MHz	40 MHz	50 MHz	100-500 MHz	1 MHz-35 MHz
42	-1.5	-15	-10	-15	-30	35

- Characteristics Filter Impedance : 75Ω

Schematic



Package



Dimensions

Dim.	(Inches)			(Millimeters)		
	Min.	Max.	Nom.	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	2.03	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