

Low Pass Filter for Cable Modem Applications



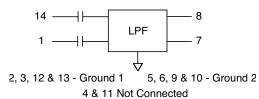
EPB5109G • Optimized to work with BCM3300 • • Integrated LPF designed to work with • Broadcom BCM 3300, 3137 and 3210 • Robust construction allows for IR/VP processes •

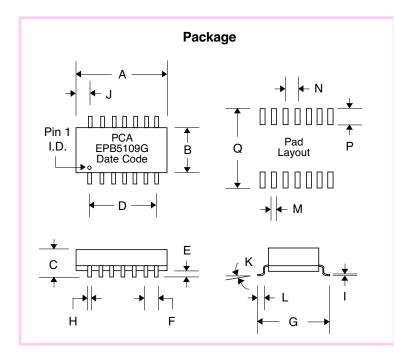
Electrical Parameters @ 25° C

Cut-off Frequency (MHz)	Insertion Loss (dB Max.)	Return Loss (dB Min.)	Attenuation (dB Min.)		Group Delay (nS Max.)
± 3.0 MHz	1 MHz - 65 MHz	1 MHz - 65 MHz	@ 160 MHz	200 - 300 MHz	@ 65 MHz
80	-1.0	-15	-40	-30	20

- Characteristics Filter Impedance : 150 Ω -

Schematic





Dimensions									
	(Inches)			(Millimeters)					
Dim.	Min.	Max.	Nom.	Min.	Max.	Nom.			
А	.740	.760	.750	18.79	19.30	19.05			
В	.260	.280	.270	6.60	7.11	6.86			
С	.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			
Н	.016	.020	.018	.406	.508	.457			
	.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			
М			.030			.762			
N			.100			2.54			
Р			.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.