

# Low Pass Filter for Cable Modem Applications

## EPB5054G & EPB5054G-RC



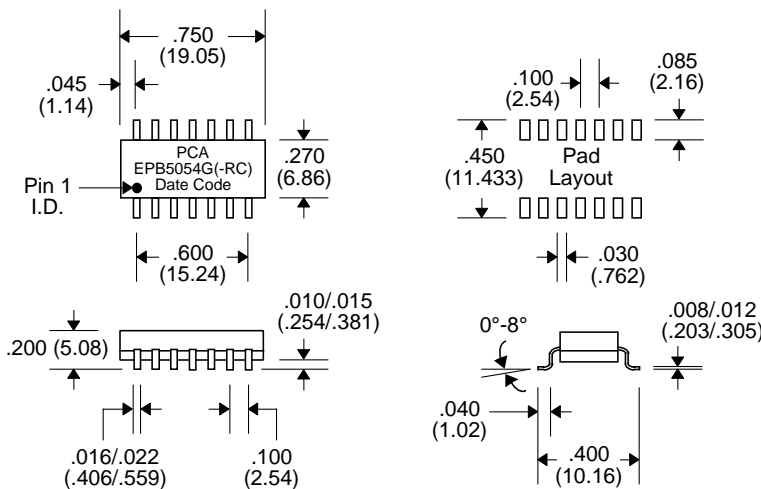
- Integrated LPF designed to work with Broadcom's BCM3033, BCM3137 and BCM3210 Chips
- Robust construction to meet IR/VP soldering processes
- Add "-RC" after part number for RoHS Compliant
- Temperature Range : -40°C to +85°C

### Electrical Parameters @ 25° C

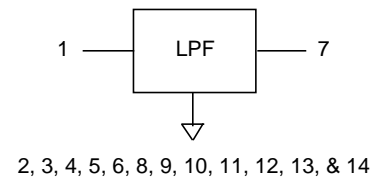
Cut-Off Frequency (MHz)	Insertion Loss (dB Max.)	Return Loss (dB Min.)		Attenuation (dB Min.)		Group Delay (nS Max.)
± 3.0 MHz	1 MHz-60 MHz	1 MHz-60 MHz	@ 65 MHz	@ 75 MHz	100 MHz-500 MHz	1 MHz-60 MHz
68	-1.5	-15	-10	-15	-30	35

• Characteristic Filter Impedance : 75 / 75 •

### Package



### Schematic



Notes :	EPB5054G	EPB5054G-RC
1. Lead Finish	SnPb	Hot Tin Dip (Sn) †
2. Peak Temperature Rating	225°C	245°C
3. Moisture Sensitive Levels	MSL = 3 (168 Hours, 30°C/60%RH)	MSL = 4 (72 Hours, 30°C/60%RH)
4. Weight	1.4 grams	1.4 grams
5. Packaging Information (*Add "TR" to end of part number, but in front of "-RC" when placing order)	(Tube)	26 pieces/tube
	(Tape & Reel)	650 pieces/13" reel (*EPB5054GTR)
		650 pieces/13" reel (*EPB5054GTR-RC)

† Hot tin dipped over Matte Tin with Ni Barrier

Unless Otherwise Specified Dimensions are in Inches /mm ± .010 / .25