Low Pass Filter for Cable Modem Applications

EPB5206G & EPB5206G-RC



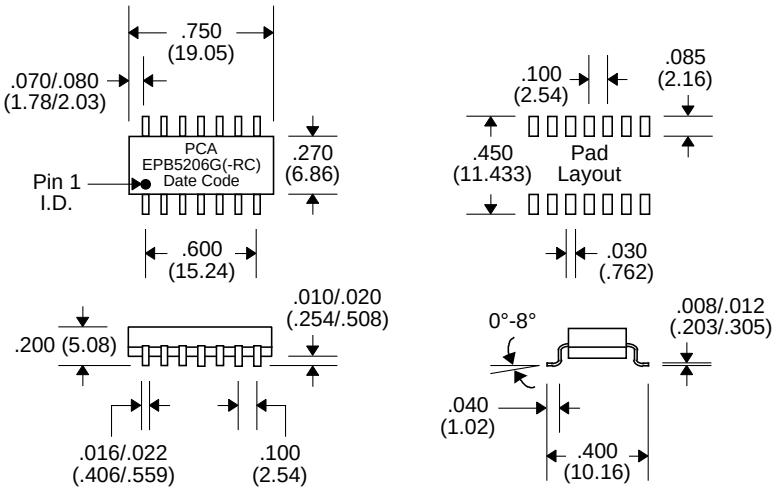
- Integrated LPF designed to work with Broadcom's BCM3033, BCM3137 and BCM3210 Chips
- Robust construction to meet IR/VP soldering processes
- Add "-RC" after part number for RoHS Compliant
- Available in SMD, DIP and DIL Packages

Electrical Parameters @ 25° C

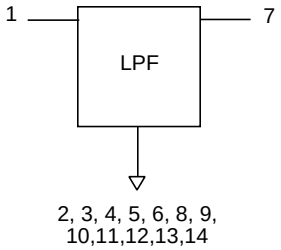
Cut-off Frequency (MHz)	Insertion Loss (dB Max.)	Return Loss (dB Min.)	Attenuation (dB)				
± 3.0 MHz	5-42 MHz	5-42 MHz	@ 60 MHz (Typ)	@ 80 MHz (Typ)	@ 100 MHz (Min)	@ 200 MHz (Min)	@ 200-300 MHz (Typ)
52	-1	-15	-10	-30	-30	-40	-50

• **Characteristic Filter Impedance** : 75 Ω • **Crosstalk** :-70dB Typ (5-42MHz) •

Package



Schematic



Notes :	EPB5206G	EPB5206G-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	TBD grams	TBD grams
5. Packaging Information (Tube) (*Add "TR" to end of part number, but in front of "-RC"when placing order)	TBD pieces/tube	TBD pieces/tube
(Tape & Reel)	TBD pieces/13" reel (*EPB5206GTR)	TBD pieces/13" reel (*EPB5206GTR-RC)

† Hot tin dipped over Matte Tin with Ni Barrier

Documentor/Date	√'d By	Project Engineer/Date	Engineering/Date	Quality Assurance/Date

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

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

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